DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE — Idm-E NO. 122 — DMEA NO. 1088

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [x] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [x] Royalty Audits
- [x] Certification of Discovery
- [x] Closing Letter
- [x] Cost Audits
- [x] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [x] Work Comoleted analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [x] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 2 : Reports

- [x] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [x] Field Team Semi-Annual Report for Certified Project
- [x] Field Team Interim Reports
- [x] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No. 3 : Maps (Use pocket folder or envelope)

Folders No. _____ : Settlement Sheets

Folders No. _____ : Drill Logs

Folders No. _____ : Royalty material

17963

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/13	Hurand	500
" 14	Dallas	140
	Brown	140
	App'd. Sol. Off.	
11/15	Jacobs	800
11/16	Selfridge	220
"	[illegible]	110
11/16	Fumich	100
		220

NOV 2 0 1961

Mr. and Mrs. J. C. Rowe
109 North Jefferson
Webb City, Missouri

INTERIOR DEPT.
NOV 1 4 1961
SOLICITOR

Re: EMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. and Mrs. Rowe:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development, dated May 7, 1953, all minerals mined or produced from August 21, 1951, to August 21, 1961, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract.

This correspondence relates to the Landlord's Subordination Agreement signed by you on July 31, 1951, under the Defense Minerals Administration program.

Sincerely yours,

George Fumich, Jr.
Director

RECEIVED
NOV 1 4 1961
ASSOC. SOLICITOR
MINERAL RESOURCES

GLAult/a
11-13-61
cc to: Director's Reading File
Contract Division
Code 500
Robert A. Laurence, USGS) each w/copy
V. J. Lynch, USBM) letter October 26, 1961

FROM SOLICITOR
FOR SIGNATURE

43683

RECEIVED
NOV 1 1991
MINERAL RESOURCES
ASSOC. SOLICITOR

SOLICITOR
NOV 1 4 1991
INTERIOR DEPT.

OFFICE OF MINERALS EXPLORATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Office of Minerals Exploration, Washington, D. C., pertaining to Contract No. Idm-E122, Docket No. DMEA-1088 (Zinc-Lead), dated August 21, 1951, with

Shelton Mining Company, Inc.
319½ Main Street
Joplin, Missouri

for the purpose of determining the amount of royalty due the U. S. Government on sales of minerals from property referred to as Shelton Leases located in Jasper County, Missouri, during the period August 21, 1951, through June 30, 1960.

A certification of discovery or development was issued on May 7, 1953, and, in accordance with Article 15 of the contract, royalty is payable on all minerals mined or produced as a result of such discovery or development for a period of 10 years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first. A Report of Review in lieu of final audit dated August 18, 1953, indicated accepted costs under the exploration contract amounting to $6,661.20 with the Government's contribution, on a 50 percent basis, being $3,330.60.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(1) Inspection reports by field representatives of the Government and other correspondence in the Washington office files indicate that there has not been any production of minerals on which royalty would be due to the Government since the date of the exploration contract; and

(2) The administrative cost to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible royalty which might be disclosed.

C. E. Fisher

C. E. Fisher, OME Auditor

July 6, 1960

FILE COPY
SURNAME:

WRGriswold
AEKane
Rubin
Chambers
Hedges
Kane
Selfridge
Griswold
Rubin
FEJohnson

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

Rewritten 5/4/53

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mr. J. G. Shelton
Shelton Mining Co., Inc.
Webb City, Missouri

Pursuant to the provisions of Exploration Project Contract No. Idm-E122, dated August 21, 1951, Docket No. DMA 1088, hereinafter called the "Contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made.

The Government's estimate of said discovery or development is particularly described and delimited as follows: Churn drilling has shown and partially outlined submarginal zinc and lead mineralized areas occurring in limestones on tracts of land in Jasper County, Missouri, such tracts being particularly described in the contract.

Dated MAY 7 1953

THE UNITED STATES OF AMERICA

By O. Mittendorf
Administrator, Defense Minerals
Exploration Administration

WRGriswold/hmj
(5/4/53)
CC to: Docket
Cont. Admin. & Audit Div.
Region VI (2)
Finance Office
Base Metals Division
Russell Forbes, Act. Adm. DMPA
Adm. R. File
Op. Committee
Mr. Hedges, Rm 4604
Mr. Thayer, Rm 5216, GSA Bldg.
Mr. Griswold
Mr. F. E. Johnson
Chron.

P.N.
5-7-53

FILE COPY 500
SURNAME:

Griswold
assume
Carton
Chandler

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

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mr. J. G. Shelton
Shelton Mining Co., Inc.
Webb City, Missouri

Pursuant to the provisions of Exploration Project Contract No. Idm-E122, dated August 21, 1951, Docket No. DMA 1088, hereinafter called the "Contract" between you and the United States of America, hereinafter called the "Government"; to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that a discovery or development has resulted from the work from which commercial production of ore may be made.

The Government's estimate of said discovery or development is particularly described and delimited as follows: Churn drilling has shown zinc and lead mineralized areas occuring on tracts of land in Jasper County, Missouri, such tracts being particularly described in the contract.

Dated_____

THE UNITED STATES OF AMERICA

By_____
Administrator, Defense Minerals
Exploration Administration

WRGriswold/hmj
(4/27/53)
CC to: Docket
Cont. Admin. & Audit Div.
Region VII (2)
Finance Office
Base Metals Division
Russell Forbes, Acting Adm. DMPA
Adm. R. File
Op. Committee
Mr. Hedges, Rm. 4604
Mr. Thayer, Rm 5216, GSA Bldg.
Mr. Murkland
Mr. Griswold
Chron.
Mr. F. E. Johnson

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

Get Grimwood Betty

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Shelton Mining Company, Inc.

319½ Main Street

Joplin, Missouri

pertaining to Exploration Project Contract No. Idm-E122, Docket No. DMEA-1088, including Amendment No. 1, for the months of October, 1951 to October, 1952, inclusive, covering a project for the exploration of zinc.

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, consultation with the Executive Officer of the Field Team, examination of the Field Team's and the Operator's final engineering reports, 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 reasons:

(a) the administrative cost to the Government of an audit would be excessive in relation to the estimated amount of possible disallowances thereunder;
(b) the major portion ($5,521.00) of the costs covered churn drilling at unit rates under an independent contract approved by the Government; and
(c) the other costs for supervision ($1,104.20) and sampling and analysis ($36.00) were considered reasonable by the Executive Officer of the Field Team.

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

Total cost as billed by Contractor		$6,661.20
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$6,661.20

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 Three thousand three hundred thirty and 60/100 Dollars,

$3,330.60

is considered valid and proper.

E. D. Talbert

August 18, 1953

E. D. Talbert, Auditor

REGISTERED MAIL - RETURN RECEIPT REQUESTED

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
February 24, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 26 1953

Shelton Mining Company
c/o Mr. J. G. Shelton
Webb City, Missouri

Subject: Operator under Exploration Project Contract Idm-E122, Docket No. 1088X DMA Dated August 21, 1951, and to which an extension of six months was granted on August 5, 1952.

Gentlemen:

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms, of the above-mentioned contract, hereby terminates the contract on the following grounds:

The period of twelve months from the date of the Contract, together with the period of six month's extension, has expired and, therefore, further exploration by you is not warranted. Results of the exploration work performed by you under the subject contract do not appear favorable enough to warrant an extension of the term of the contract.

Upon receipt of this notice, as provided in said Contract, you are required to render to the Government a full and final accounting of your operation under the contract.

Any work prosecuted or costs incurred by you, including the drilling of the uncompleted drill hole No. 16-D, after the receipt of this notice shall be for your sole account, including the costs of any reports, accounts, and winding-up and settlement actions provided for in the Contract.

Dated this 24th day of February 1953.

UNITED STATES OF AMERICA

RECEIVED
MAR - 9 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

By W. P. Williams
W. P. Williams
Executive Officer
DMEA Field Team, Region VI

/jd

Case 2-26-53

Dealer Copy
from file

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

~~XXXXXXXXXXXXXX~~
Joplin, Missouri

Amendment #1

Exploration Project Contract No. Idm-E122
(Docket DMA-1068E)

The "twelve (12) months" time limitation specified in Article 3 of Contract Idm-E122, dated August 15, 1951, between the United States of America and the Shelton Mining Company, Inc., 319½ Main Street, Joplin, Missouri, is hereby amended to provide for the Operator "to bring the project to completion within a period of eighteen (18) months from the date of this contract.

This amendment is effective as of August 21, 1952.

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

Dated this 5th day of September, 1952.

Sd 9/24/52

UNITED STATES OF AMERICA

By David Gallagher
David Gallagher, Executive Officer
DMA Field Team, Region VI

SHELTON MINING COMPANY, INC.

J. G. Shelton
J. G. Shelton, President

/jd

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Joplin, Missouri
September 3, 1952

Re: Docket DMA-1088X(Zinc)
Contract Idm-E122
Shelton Mining Co.

Memo: Operating Committee, DMEA

From: David Gallagher, Executive Officer, Field Team, Region VI

Subject: Justification for Amendment #1 to the contract.

In response to a written request by the Operator, amendment #1 to the contract was written and approved by the Field Team to provide for completion of the necessary churn drilling to complete the project before December 21, 1952 instead of August 21, as previously stipulated in Article 3.

This extension in time was necessary because of the slow progress in the work during the past 12 months when the churn drilling subcontractor for the Operator was unable to obtain competent skilled labor. The project work was allowed to be recessed from May 8 to August 21, 1952. Now that exploration activities in this Tri-State mining district have slumped due to the drops in zinc price, experienced drillers are again available to resume the Shelton project work.

David Gallagher

/jd

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 8 1952

RECEIVED
SEP 23 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

MF-220
(June 1951)

Docket No. DMA 1088
Commodity Zinc
Idm-E122

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this 21st day of August, 1951, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2]
Shelton Mining Company, Inc.
319½ Main Street
Joplin, Missouri

hereinafter called the "Operator," as follows:

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

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of Missouri, County of Jasper described as follows: [3]
SW¼ NE¼; portion of NE¼ NE¼ Southwest of Spring River; portion of NW¼ SE¼ designated as Margaret A. Eck; portions of NW¼ SE¼ designated as Earl E. and Orpha Weaver; portion of NE¼ SW¼ designated as Nellie Arey and S½ SE¼; All being in Section 18, T. 29N., R. 32W. and shown on attached map.

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

(*a*) [redacted]

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

3. *Exploration project.* The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] zinc; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] twelve (12) months from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

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

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

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

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

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

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

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

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

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

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

13. *Payment to the Operator.* The monthly progress report (invoice), to the extent approved by the Government, shall be processed for payment by the Government. Payment shall be made in the amount of 50 percent of the approved costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $7,000.00, which is 50 percent of the agreed estimated total cost of this project, $14,000.00.

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

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

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

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

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

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

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

Executed in sextuplicate the day and year first above written.

Shelton Mining Company, Inc.
(Operator)

By J. H. Shelton

THE UNITED STATES OF AMERICA

By C. O. Mittendorf

Director, Production Expansion Division
Defense Minerals Administration

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

EXHIBIT "A"

The exploration project to consist of drilling a maximum of 30 churn drill holes ranging from 180 to 200 feet in depth and totaling 5700 feet. The drilling to be done on a contract basis.

Estimated cost of the project is as follows:

Drilling, 5700 feet @ $2.00 per feet	$11,400.00
Supervision, 5700 feet @ $0.40 per feet	2,280.00
Sampling expense	320.00
Total	$14,000.00

The drilling to be conducted on a plan submitted to the Field Team of DMA for approval prior to start of work.

Drilling to be done on contract basis approved by Field Team of DMA prior to start of work.

No additional costs other than drilling, supervision, and sampling expense as shown above shall be allowable under this contract.

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Jasper, State of Missouri, described in a certain Exploration Project Contract dated August 21, 1951, between Shelton Mining Company, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated January 9, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 30th day of July, 1951.

Andrew J. Perry

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Jasper, State of Missouri, described in a certain Exploration Project Contract dated August 21, 1951, between ~~Joe Sheldon and Russell Bryant~~ Shelton Mining Company, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated January 8, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 3rd day of May, 1951

Earl E. Weaver

Orpha Weaver

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of [illegible], State of [illegible], described in a certain Exploration Project Contract dated August 21, 1951, between [illegible], Shelton Mining Company, Inc., the Lessee of said property, and the United States of America;

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

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

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

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

Dated this 3rd day of Aug, 1951

O. L. Farmer
Evelyn Wright Farmer

U. S. GOVERNMENT PRINTING OFFICE 940768

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Jasper, State of Missouri, described in a certain Exploration Project Contract dated August 21, 1951, between Shelton Mining Company, Inc., the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated Dec 20, 1950, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

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

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

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

Dated this 31st day of July, 1951

J C Rowe Ethel Rowe

U. S. GOVERNMENT PRINTING OFFICE 940768

G U A R A N T Y

In consideration of the waiver by the United States of America of the requirement of a landlord's subordination agreement as set forth in paragraph 2(b) of the attached Exploration Project Contract between the undersigned and the United States of America, on property Known as the Margaret A. Eck, the undersigned hereby guarantees the payment to the United States of America of royalties, as specified in paragraph 15 of said Contract, upon any and all ore discovered or developed as a result of said Contract, which is mined within 10 years from the date of said Contract, whether or not the undersigned has any interest in the property covered by the said Contract or any part in the mining operations at the time said ore is mined. If for any reason the net smelter returns from operations that would be subject under said contract to such payments to the United States of America are not available as a means of measuring the amount of such payment, then the undersigned agrees and undertakes to make such payment according to the best estimates of the amount that can reasonably be made, and in the event of dispute as to such estimate, the undersigned agrees that the determination thereof by either the Administrator of Defense Minerals Administration or by the Director of the United States Bureau of Mines shall be final and binding upon the undersigned; provided, however, that should undersigned, prior to the accrual of any obligation to pay under this guarantee, furnish to the United States the subordination agreement required by paragraph 2(b) of said contract this covenant shall thereupon become fully satisfied and of no farther force or effect.

Dated This 21st day of August 1951.

The Shelton Mining Co, Inc.

J. P. Shelton

COPY

ASSIGNMENT AND ACCEPTANCE

For value received we hereby assign all right, title and interest in and to the within lease and all mining rights thereunder unto SHELTON MINING COMPANY, INCORPORATED, its successors and assigns, and in consideration of the consent to this assignment by the lessor s guarantee the performance by the said SHELTON MINING COMPANY, INCORPORATED, of all the covenants on the part of the second party in said Lease mentioned.

In consideration of the above assignment and the written consent of the party of the first part thereto, we hereby assume and agree to do and perform all the covenants and conditions of the within lease, by party of the second part to be done and performed.

WITNESS OUR HANDS, This 24th day of August, 1951, at Joplin, Missouri

J. G. Shelton

Russell B. Prince

STATE OF MISSOURI,
SS
COUNTY OF JASPER,

On this 24th day of August, 1951, before me the undersigned, a Notary Public within and for the County and state aforesaid, personally appeared J.G. Shelton and Russell B. Prince, to me personally known to be the persons described in and who executed the foregoing ASSIGNMENT, and acknowledged to me they signed the same as their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal ofmy office, on this, the day and year last above written.

My Commission expires July 16, 1955

Mabel Bullington
Notary Public

COPY

MINING LEASE

THIS INDENTURE, Made this 8 day of January, 1951, by and between

Earl E. Weaver and Orpha Weaver, his wife,

hereinafter (whether one or more) referred to as Lessor, and J. G. Shelton and R. B. Prince hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in

Jasper County, State of Missouri to-wit;

East Half (E½) of the Northwest Quarter (NW¼) of the Southeast Qu rter (SE¼), except Two Hundred Forty Feed (240) by Three Hundred Seventy-five Feet (375) in the Southwest Corner of Section Eighteen (18), Township Twenty-nine (29), Range Thirty-two (32) containing Eighteen (18) acres more or less, Jasper County, Missouri.

of Section 18, Township 29, Range 32, and containing 18 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the u e of water in said oper tions, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at

Bank, at State of, on or before the tenth (10th) day of each month, a royalty of five (5%) per centum of the gross sale price of all the lead and zinc concentrates produced and sold from s id land during the preceeding month with the privilege to Lessee to consume such concentrates and pay Lessor s id percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other met ls or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmetal agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hou s.

COPY

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing ans sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands upon which same are deposited, and if ores androck from this or other lands are milled upon the lands, covered hereby all such materials sh ll belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six (6) months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from s id premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender toLessor the sum of $ 4.50 , in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of five (5) years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become pay ble.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said rentals or royalties.

COPY

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings there from, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefits of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

J. G. Shelton	Earl E. Weaver
Russell B. Prince	Orpha Weaver
Lessee	Lessor

STATE OF MISSOURI
SS
COUNTY OF JASPER

BE IT REMEMBERED, That on this 8 day of January 1951, before me personally appeared Earl E. Weaver and Orpha Weaver to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires March 3 1952

Evans W. Buskett
Notary Public

COPY

ASSIGNMENT AND ACCEPTANCE

For value received we hereby assign all right, title and interest in and to the within lease and all mining rights thereunder unto SHELTON MINING COMPANY, INCORPORATED, its successors and assigns, and in consideration of the consent to this assignment by the lessor s guarantee the performance by the said SHELTON MINING COMPANY, INCORPORATED, of all the covenants on the part of the second party in said Lease mentioned.

In consideration of the above assignment and the written consent of the party of the first part thereto, we hereby assume and agree to do and perform all the covenants and conditions of the within lease, by party of the second part to be done and performed.

WITNESS OUR HANDS, This 24th day of August ,1951, at Joplin Missouri.

J. G. Shelton

Russell B. Prince

STATE OF MISSOURI,
SS
COUNTY OF JASPER,

On this 24th day of August, 1951, before me the undersigned, a Notary Public within and for the County and state aforesaid, personally appeared J. G. Shelton and Russell B. Prince , to me personally known to be the persons described in and who executed the foregoing ASSIGNMENT, and acknowledged to me they signed the same as their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of my office, on this, the day and year last above written.

My Commission expires July 16, 1955

Mabel Bullington
Notary Public

COPY

MINING LEASE

THIS INDENTURE, Made this 24 day of May 1950 by and between

J. C. and Ethel Rowe

hereinafter (whether one or more) referred to as Lessor, and J. G. Shelton and W. H. Poole hereinafter referred to Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting nd mining for lear and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri to-wit;

Covering the Northeast Quarter (NE¼) of the Southwest Quarter (SW¼), except north ten (10) acres, containing 30 acres, more or less of Section 18, Township 28, Range 32.

of Section 18, Township 29, Range 33, and containing 30 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, dr ins, roads, tracks, and other improv ments upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessarily for efficiently prospecting and mining said land and treating the ores mined therefrom, with the ri ht in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION HEREOF, Lessee agrees to pay unto Lessor at Merchants and Miners Bank Bank, at Webb City State of Missouri, on or before the tenth (10th) day of each month, a royalty of Five ercent (5) per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceeding month with the privilege to Lessee to consume such concentrates and pay Lessor s id percentage of the market price thereof as royalty thereon. For the protection of the Less and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The lessee will keep accurate books showing qu ntities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the m nner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

COPY

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for inthe manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the land covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the land, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-products materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and materials mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoise ores and inerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon s id lands within Six Months (6) from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably caried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspension of operations for said last mentioned cuase shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting ormining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender toLessor the sum of 7.50, in the manner hereinafter provided, such payment or tender shall operateas a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencem nt of prospecting or mining operations may be further deferred or suspended after h ving been commenced, for like periods, successively during the term of five (5) years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, toLessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent ofLessor toaccept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor, a true copy of the log of e ch drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

COPY

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long hereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands in event of default of payment by Lessor, and he subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time desire, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relived from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

J. G. Shelton — J. C. Rowe

W. H. Poole — Ethel Rowe

Lessee — Lessor

STATE OF Missouri
SS
COUNTY OF Jasper

BE IT REMEMBERED, That on this 24 day of May 1950, before me J. C. Rowe and Ethel Rowe to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires April 24, 1954

Helen M. Myers
Notary Public

COPY

ASSIGNMENT AND ACCEPTANCE

For value received we hereby assign all right, title and interest and to the within lease and all mining rights thereunder unto SHELTON MINING COMPANY, INCORPORATED, its successors and assigns, and in consideration of the consent to this assignment by the lessor s guarantee the performance by the said SHELTON MINING COMPANY, INCORPORATED, of all the covenants on the part of the second party in said Lease mentioned.

In consideration of the above assignment and the written consent of the party of the first part thereto, we hereby assume and agree to do and perform all the covenants and conditions of the within lease, by party of the second part to be done and performed.

WITNESS OUR HANDS, This 24th day of August, 1951, at Joplin, Missouri.

J. G. Shelton

Russell B. Prince

STATE OF MISSOURI,
SS.
COUNTY OF JASPER,

On this 24th day of August, 1951, before me the undersigned, a Notary Public within and for the County and st te aforesaid, personally appeared J. G. Shelton and Russell B. Prince to me personally known to be the persons described in and who executed the foregoing ASSIGNMENT, and acknowledged to me they signed the same as their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of my office, on this, the day and year last above written.

My Commission expires July 16, 1955.

Mabel Bullington
Notary Public

COPY

MINING LEASE

THIS INDENTURE, Made this 9th day of January, 1951, by and between

Andrew J. Perry (single)

hereinafter (whether one or more) referred to as Lessor, and J. G. Shelton and

R. B. Prince hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and peformed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri. to-wit:

South ½ of the Southeast ¼, (containing 80 acres), Section 18, Township 29, Range 32, Jasper County, Mo. More or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lad and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and tre ting the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at The Webb City Bank at Webb City State of Missouri, on or before thetenth (10th) day of each month, a royalty of Five (5) per centum of all moneys received for the lead and zinc concentrates produced and sold from said land during the preceeding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall h ve and hereby agrees to take said percentage of said concentrates, or concentrates of like qu lity, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

4. Lessor agrees topay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner as the same are usually conducted in the Tri-State District.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices,

COPY

THEN SUCH ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered the refrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands thetailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-products materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or milling operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-products materials upon the payement of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the land covered hereby shall not be commingled with other ores and minerals except as above provided in paragraph 7.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyong the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspension of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender toLessor the sume of $ 20.00, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in theLessee to defer the comencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like period, successively during the term of _____ years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafterdesignate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownershipof said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land at least once each three months' period.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

COPY

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. The Lessee shall have the right to assign or sublet this lease, or any portion of the acreage covered hereby.

17. Lessee shall pay for damages caused by operations hereunder to growing crops and/ or any improvements on said land.

18. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such vidation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

19. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, durrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

20. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heris, successors, legal representatives and assigns of the parties hereto.

IN WITNESS HEREOF, the parties hereto have duly executed this indenture the day and year first above written.

J. G. Shelton

Andrew J. Perry

Russell B. Prince
Lessee

Lessor

STATE OF Missouri
SS
COUNTY OF Jasper

BE IT REMEMBERED, That on this 9th of January 1951, before me personally appeared Andrew J. Perry (single) to me known to be the person described in and who executed the foregoing instrument, and acknowledged and he executed the same as his free act and deed.

IN TESTIMONY HEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires July 28, 1952

Lou G. Jones, Sr.
Notary Public

COPY

ASSIGNMENT AND ACCEPTANCE

For value received we hereby assign all right, title and interest in and to the within lease and all mining rights thereunder unto SHELTON MINING COMPANY, INCORPORATED, its successors and assigns, and in consideration of the consent to this assignment by the lessor s guarantee the performance by the said SHELTON MINING COMPANY, INCORPORATED, of all the convenants on the part of the second party in said Lease mentioned.

In consideration of the above assignment and the written consent of the party of the first part thereto, we hereby assume and agree to do and perform all the covenants and conditions of the within lease, by party of the second part to be done and performed.

WITNESS OUR HANDS, This 24th day of August, 1951, at Joplin, Missouri.

J. G. Shelton

Russell B. Prince

STATE OF MISSOURI,
SS.
COUNTY OF JASPER,

On this 24th day of August, 1951, before me the undersigned, a Notary Public within and for the County and State aforesaid, personally appeared J. G. Shelton and Russell B. Prince, to me personally known to be the persons described in and who executed the foregoing ASSIGNMENT, and acknowledged to me they signed same as their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of my office, on this, the day and year last above written.

My Commission expires July 16, 1955.

Mabel Bullington
Notary Public

COPY

MINING LEASE

THIS INDENTURE, Made this 13 day of December 1950 by and between

O. L. Farmer and wife Evelyn Wright Farmer

hereinafter (whether one or more) referred to as Lessor, and J. G. Shelton and

Russell B. Prince hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri. to-wit:

The southwest quarter (SW¼) of the Northeast quarter (NE¼) and all that part of the northeast quarter (NE¼) of the northeast quarter (NE¼) lying on south side of Spring River, all in Section eighteen (18), Township twenty nine (29), Range thirty-two (32), Jasper Co. Missouri. ALSO that part of the Southeast quarter (SE¼) of the southeast quarter (SE¼) of Sec. seven (7), lying south of Spring River, and that part of the northwest quarter (NW¼) of Northwest quarter (NW¼) of Sec. seventeen (17), lying south of Spring River, all in Twp tenty-nine (29), Range thirty two (32), Jasper County, Mo. more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at Central National Bank, at Carthage, State of Missouri, on or before the tenth (10th) day of each month, a royalty of five (5) per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceeding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zince and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes asses or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

COPY

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the landsupon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyong the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned case shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender toLessor the sum of $ 20.00, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of _____ years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

COPY

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relived from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS HEREOF, the parties hereto have duly executed this indenture the day and year first above written.

J. G. Shelton

O. L. Farmer

Russell B. Prince
Lessee

Evelyn Wright Farmer
Lessor

STATE OF Missouri
SS.
COUNTY OF Jasper

BE IT REMEMBERED, That on this 13 day of December 19 50, before me personally appeared O. L. Farmer and Evelyn Wright Farmer to me known to be the persons described in and who executed the foregoing instrument, and acknowledged that they executed the same as their free act and deed.

IN TESTIMONY HEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires March 3, 1952

Evans W. Buskett
Notary Public

COPY

ASSIGNMENT AND ACCEPTANCE

For value received we hereby assign all right, title and interest in and to the within lease and all mining rights thereunder unto SHELTON MINING COMPANY, INCORPORATED, its successors and assigns, and in consideration of the consent to this assignment by the lessor s guarantee the performance by the said SHELTON MINING COMPANY, INCORPORATED, of all the covenants on the part of the second party in said Lease mentioned.

In consideration of the above assignment and the written consent of the party of the first part thereto, we hereby assume and agree to do and perform all the covenants and conditions of the within lease, by party of the second part to be done and performed.

WITNESS OUR HANDS, This 24th day of August, 1951, at Joplin, Missouri.

J. G. Shelton

Russell B. Prince

STATE OF MISSOURI,
SS.
COUNTY OF JASPER,

On this 24th day of Au ust, 1951, before me the undersigned, a Notary Public within and for the County and state aforesaid, personally appeared J. G. Shelton and Russell B. Prince, to me personally known to be the persons described in and who executed the foregoing ASSIGNMENT, and acknowledged to me they signed the same as their free and voluntary act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of my office, on this, the day and year last above written.

My Commission expires July 16th, 1955.

Mabel Bullington
Notary Public

COPY

MINING LEASE

THIS INDENTURE, Made this _____ day of January 1951, by and between _____

Era Belle Plank and son Theren Samuel Plank, Jr.

hereinafter (whether one or more) referred to as Lessor, and J. G. Shelton and

R. B. Prince hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) to-wit: situated in

Jasper County, State of Missouri

East ½ of the West ½ of the Northwest ¼ of the Southeast ¼, (containing 10 acres), Section 18, Township 29, Range 32, Jasper County, Missouri

of Section 18, Township 29 Range 32 and containing 10 acres, more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at _____

Bank, at _____, State of _____, on or before the tenth (10th) day of each month, a royalty of Five (5) per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency, up to but not exceeding the amount of premium money on which royalty may be paid under law or valid regulation issued by any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Goverment against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands and sold or consumed, when and to whom sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

COPY

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is now or may hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, not shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by-products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all times during said period have the right to remove and sell said tailings and otherby-products materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessor shall have the right to enter upon said land for the purpose of inspection and examination, not unnecessarily interfering with the prospecting and mining operations of Lessee.

11. The Lessee shall commence prospecting or mining upon said lands within six Months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspension of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $ 2.50 , in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated, and the same shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting ormining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of Five years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank, as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of such drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

COPY

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated tothe rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relived from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

J. G. Shelton

R. B. Prince
Lessee

Era Belle Plank

Theren Samuel Plank, Jr.
Lessor

STATE OF Ill.)
)SS
COUNTY OF Cook)

BE IT REMEMBERED, That on this 15th day of January 1951, before me personally appeared Era Belle Plank and _____ to me known to be the person described in and who executed the foregoing instrument, and acknowledged that he they executed the same as their his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at my office in said county the day and year last above written.

My term expires October 24, 1953

Kathlene N. Corrigan
Notary Public

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

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

DO NOT FILL IN THIS BLOCK

Docket No. dma 1088

Date received 4-30-51

Participation

Shelton Mining Company
319½ Main Street
Joplin, Missouri

Name and address of applicant

Date April 26, 1951

FILL IN THIS BLOCK

Date of application April 26, 1951

Estimated cost $14,000

Mineral or metal Mineral

Percentage of Government participation 50%

Location of mine 4 miles north of Oronogo, Mo.

Date of filing MF-100 April 26, 1951

DMA Docket Number, if available none

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.

How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

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

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

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

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

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

Shelton Mining Company
(Name of company)

By J. G. Shelton
(Signature of authorized official)

April 26, 1951
(Date)

Manager
(Title)

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

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

SHELTON MINING COMPANY

1. Answered on accompanying Form MF 100.

2. " " " " " "

3. " " " " " "

4. " " " " " "

5. " " " " " "

6. Not owner.

7. Copy of lease attached.

8. Not in operation. No statement.

9. Applicant proposes to match Government Loan either in money or purchase of drilling equipment for use in this project.

10. (a) This lease was mined in 1912 and 1913. There has been no mining on the property since applicant drilled 7 holes on this lease of which 4 holes #2, #3, #7, #8 showed fair assay feet. Applicant proposes to further explore this lease and adjoining properties on which he has leases, as shown on accompanying map.

(b) The southwest quarter (SW¼) of the Northeast quarter (NE¼) and all that part of the northeast quarter (NE¼) of the northeast quarter (NE¼) lying on south side of Spring River, all in Section eighteen (18), Township twenty nine (29), Range thirty-two (32), Jasper Co. Missouri. ALSO that part of the Southeast quarter (SE¼) of the southeast quarter (SE¼) of Sec. seven (7), lying south of Spring River, and that part of the northwest quarter (NW¼) of Northwest quarter (NW¼) of Sec. seventeen (17), lying south of Spring River, all in Twp. twenty-nine (29) Range thirty-two (32), Jasper County, Mo. more or less.

11. Answered on accompanying Form MF 100.

12. " " " " " "

13. " " " " " "

14. " " " " " "

15. If sufficient ore is blocked applicant proposes to build mill, otherwise to use existing custom mills that are available at such time. The nearest shipping point in Oronogo, Mo. 4 miles south. At Oronogo are two or three mills that with some repair could be used as custom mills.

16. Answered on accompanying Form MF 100.

17. " " " " " "

18. " " " " " "

19. Nothing further.

20. Exploration for zinc and lead minerals.

21. Applicant proposes to drill approximately 30 holes on this lease to establish additional tonnage to justify developing and mining of this property. At the present applicant has drilled in 1942 - 1943, & 1944 holes to establish approximately 1500 tons ore. It is estimated that this exploration can be completed within 40 weeks with one drill rig.

22. See map and attached notes.

23. It is proposed that this exploration work be done by contract at approximately $2.00 per foot. This $2.00 per foot contract price will cover all of the costs included in (a), (c), (d), (e), (f), (g), (h), (i). The only cost outside of the contract price is supervision. This cost is estimated at $75.00 per week.

24. It is estimated that one drill rig will accomplish the drilling of the proposed 30 holes in 40 weeks. If more than one drill rig is available, this time can be cut proportionately. Also cutting total cost of supervision. It is proposed to drill holes from 180 to 200'. A probable average of 190'.

190' @ $2.00 per ft.	$380.00
Est. 5 Assays per hole @ $2.00	10.00
Total Cost per Hole	$390.00
30 holes at $390.00	$11,700.00
Supervision Cost:	
One man @ $75.00 per wk.	2,300.00
Total	$14,000.00

MINING LEASE

THIS INDENTURE, Made this _____day of _____ 19__ by and between O. L. Farmer and wife, Evelyn Wright Farmer, herinafter to as Lessor, and J. G. Shelton, hereinafter referred to as Lessee.

WITNESSETH, 1. That in consideration of the covenants and agreements hereinafter set out, to be kept and performed by Lessee, Lessor does hereby lease unto Lessee for prospecting and mining for lead and zinc ores, for ten years from the date hereof, the following described land (for the purposes hereof considered as one parcel) situated in Jasper County, State of Missouri.

The southwest quarter (SW¼) of the Northeast quarter (NE¼) and all that part of the northeast quarter (NE¼) of the northeast quarter (NE¼) lying on south side of Spring River, all in Section eighteen (18), Township twenty nine (29), Range thirty-two (32), Jasper Co. Missouri. ALSO that part of the Southeast quarter (SE¼) of the southeast quarter (SE¼) of Sec. seven (7), lying south of Spring River, and that part of the northwest quarter (NW¼) of Northwest quarter (NW¼) of Sec. seventeen (17), lying south of Spring River, all in Twp. twenty-nine (29) Range thirty two (32), Jasper County, Mo. more or less.

2. The Lessor hereby gives and grants unto Lessee, for said term, the exclusive right and license to prospect and mine said land for lead and zinc ores, together with the right and license to prepare for market on said premises and remove and sell all lead and zinc concentrates produced from said ores, with the right to construct buildings or other structures and to make excavations, openings, stockpiles, dumps, ditches, drains, roads, tracks, and other improvements upon said premises, including the use of water in said operations, and to place such machinery thereon as Lessee may deem necessary for efficiently prospecting and mining said land and treating the ores mined therefrom, with the right in Lessee to remove all property so placed thereon at any time during the term hereof or within one year after the termination of this lease.

3. IN CONSIDERATION WHEREOF, Lessee agrees to pay unto Lessor at Central National Bank, at Carthage, State of Missouri, on or before the tenth (10th) day of each month, a royalty of five (5) per centum of the gross sale price of all the lead and zinc concentrates produced and sold from said land during the preceding month with the privilege to Lessee to consume such concentrates and pay Lessor said percentage of the market price thereof as royalty thereon. For the protection of the Lessor and to the end that there may be no dispute as to the market

price of concentrates so consumed, it is expressly agreed that if Lessor be not satisfied with the market price used in making royalty settlements, Lessor shall have and hereby agrees to take said percentage of said concentrates, or concentrates of like quality, in lieu of said royalty, at the bins where stored and further agrees to give written notice at once in the event Lessor is not satisfied as aforesaid.

"Lead and Zinc Concentrates" is hereby defined to mean the saleable zinc and/or lead minerals as recovered at the mill or concentrating plant where treated, including, in addition to lead or zinc, any and all other metals or elements contained in such concentrates, whether or not such metals or elements, by presently known or by future discovered methods of recovery, are valuable.

For the purpose of royalty payments the sale price shall include any premium money received from any governmental agency having jurisdiction thereof.

4. Lessor agrees to pay Lessor's proportionate part of any taxes assessed or levied by the State in which said lands are located or any subdivision thereof, or by the Federal Government against the ores and/or concentrates produced from the lands covered hereby.

5. The Lessee will keep accurate books showing quantities and kinds of concentrates produced from said lands, and sold or consumed, when and to who sold, and the money received from sales and such books of account shall be open to inspection by Lessor at all reasonable hours.

6. All mining operations shall be carried on in a miner-like and workman-like manner and may be conducted by shaft and underground tunnels or excavating in the manner known as strip or open-pit mining, and in the event of any strip or open-pit mining Lessee shall not be liable for damages done to the surface of said lands on account of such mining.

7. It is further understood and agreed that all ores mined from the lands covered hereby may be cleaned and prepared for market on this or other lands within or without the local area within which the lands covered hereby are located, as may be deemed desirable by Lessee, as an independent operation, or in a mill or mills in which other ores are being treated, commonly referred to as a central concentrating plant and that such plant or plants may be located on these lands, with the right to treat ores from other lands therein. If said central concentrating plant shall be equipped with automatic weighing and sampling devices, then such ores shall be weighed, assayed, treated, handled and concentrates determined, sold and accounted for in the manner which is

now or hereafter be established as standard method and practice thereat. If said central plant shall not be equipped with automatic weighing and sampling devices, then the ores mined from the lands covered hereby shall not be commingled with ores from other lands before or during milling, nor shall any concentrates recovered therefrom be commingled with the concentrates recovered from ores from other lands, and said concentrates shall be sold and accounted for separately from any other concentrates.

8. If ores and rock from the lands covered hereby are milled on other lands the tailings, rock and other by products resulting therefrom shall belong to the owner of such other lands or of the lands upon which same are deposited, and if ores and rock from this or other lands are milled upon the lands, covered hereby all such materials shall belong to Lessor, provided, however, Lessee shall at all times during the life of this lease have the right to remill said tailings and other by-product materials, and during the period of such remilling operation Lessee shall be relieved from the obligation to conduct prospecting or mining operations, and provided further, Lessee shall at all time during said period have the right to remove and sell said tailings and other by-product materials upon the payment of a royalty at the rate above specified on all such sales.

9. Lessee shall have the right to use underground tunnels or drifts for haulage-ways of ores from other lands and to remove ores and minerals mined on the lands covered hereby through a shaft or shafts on adjoining lands and to hoist ores and minerals mined on adjoining lands through a shaft or shafts on this land, provided the ores and minerals mined on the lands covered hereby shall not be commingled with other ores and minerals except as above provided.

10. The Lessee shall commence prospecting or mining upon said lands within six (6) months from the date hereof. Such prospecting or mining shall be carried on continuously and shall not be suspended at any time for longer than thirty days except on account of unavoidable accidents, strikes or other conditions beyond the control of Lessee, and except that when the sale value of the concentrates produced from said premises is such that mining thereof cannot be profitably carried on by Lessee, operations may be suspended until prices improve so that mining can be profitably conducted; provided, suspensions of operations for said last mentioned cause shall not continue longer than six (6) months without the written consent of Lessor.

12. If prospecting or mining operations should not be commenced on said land within the time hereinbefore provided and Lessee shall pay or tender to Lessor the sum of $20.00, in the manner hereinafter provided, such payment or tender shall operate as a rental for three (3) months from and after the period of time last above stated and the name shall also cover the right and privilege in the Lessee to defer the commencing of said prospecting or mining operations for and during the said three (3) months period. In like manner and upon like payments or tenders, the commencement of prospecting or mining operations may be further deferred or suspended after having been commenced, for like periods, successively during the term of _____ years from the date hereof. All rentals due hereunder may be paid by Lessee's check mailed, postage prepaid, to Lessor at _____ or to the bank hereinbefore mentioned, or its successors, for Lessor's credit, on or before the date any such rentals shall become payable.

Said bank, or such other bank as Lessor may in writing hereafter designate and its successors by power irrevocable is hereby made the agent of Lessor to accept all rentals and royalties herein provided for, and the same shall continue as a depository of such royalties or rentals during the life of this lease regardless of changes of ownership of said land or said rentals or royalties.

13. Lessee shall furnish Lessor a true copy of the log of each drill hole put down on said land by Lessee, showing any assays made of cuttings therefrom, and shall, upon request of Lessor, furnish print of any underground workings on said land.

14. After the expiration of the term hereinbefore fixed, this lease shall continue in force and effect so long thereafter as ore shall be produced therefrom by the Lessee, or Lessee shall continue prospecting or mining operations on said land or any part thereof, in good faith.

15. Lessor hereby warrants and agrees to defend the title to the lands herein described, and agrees that the Lessee shall have the right, at any time, to redeem for Lessor by payment, any mortgages, taxes or other liens on the above described lands, in event of default of payment by Lessor, and be subrogated to the rights of the holder thereof.

16. Lessee shall pay for damages caused by operations hereunder to growing crops and/or any improvements on said land.

17. In case of failure of Lessee to keep and perform the terms of this lease, Lessor may give thirty days' written notice of the violation complained of, and if such violation or default is not removed within said period this lease shall thereupon terminate, at the option of the Lessor which remedy shall be exclusive.

18. The Lessee may at any time, if Lessee desires to do so, pay all royalties then due, surrender and terminate this lease by giving seven days' written notice of intention so to do and thereupon Lessee shall be relieved from all obligations hereunder, with like effect as if this lease had not been made.

19. The terms and conditions of this lease shall be binding upon and inure to the benefit of the heirs, successors, legal representatives and assigns of the parties hereto.

IN WITNESS WHEREOF, the parties hereto have duly executed this indenture the day and year first above written.

/s/ O. L. Farmer

/s/ J. G. Shelton
Lessee

/s/ Evelyn Wright Farmer
Lessor

SHELTON MINING COMPANY

Drill Hole Analysis

Drill Hole	Depth	Thickness	Blende Assay	Assay Feet Zn	Assay Feet Pb	Total Assay Ft.
2	161-166	5	4.47	22.35		22.35
	166-169	3	1.29	3.87		3.87
3	160-162½	2.5	1.50	3.75	0.90	4.65
	165	2.5	1.23	3.075	0.60	3.675
	167½	2.5	2.10	5.25	0.70	5.95
	170	2.5	1.92	4.80	0.30	5.10
7	162½-165	2.5	1.10	2.75		2.75
	167½	2.5	0.48	1.20	0.85	2.05
	170	2.5	4.40	11.00	2.85	13.85
8	165-168	3	6.80	20.40	6.60	27.00
		28.5				91.24

Ave. thickness 7.125 Wtd ave. 3.21

Page _____

SHELTON MINING COMPANY

Exhibit _____

Hole No. 1

Location - 80' East and 30' south of well
Land - R. G. Weaver - Lease - J. G. Shelton

Started: 6/3/42
Completed: 6/5/42

0	10	Brown soil
	17	Brown shale
	20	Creek gravel
	30	Black shale
	50	Gray shale
	65	Black shale & mundic
	70	Gray flint & mundic

Page _____

SHELTON MINING COMPANY

Exhibit _____

HOLE NO. 2

Location - 160' South and 20' East of Well
Land - R. G. Weaver - Lease - J. G. Shelton

Struck water at 15'
Stands at 10'

Started: 6/8/42
Completed: 7/6/42

0	15	Soil
	20	Gravel
	35	Gray shale
	45	Blue shale
	55	Black shale and flint
	70	Brown flint, medium hard
	90	Gray flint, medium hard
	100	White flint, medium hard
	115	Gray flint, shelly
	120	Brown flint, medium hard
	152	Gray flint, medium hard
	161	Gray flint, medium hard tr. zn.
	166	Gray flint, soft - good zn - 4.47%
	169	Gray flint, soft - good zn - 1.29%
	175	Brown flint, hard - tr. zn.
	180	Gray flint, shelly - tr. zn.
	190	Brown lime, medium hard
	200	Gray flint, medium hard
	220	Brown flint, hard
	230	Gray lime (50%) blue flint, soft
	235	Brown lime, medium hard
	252	Brown & gray flint, hard

SHELTON MINING COMPANY

Hole No. 3

Location - 135 ft. S and 70 ft. E of Hole No. 2
Land - R. G. Weaver - Lease - J. G. Shelton

Struck water at 20 ft.
Stands at 15 ft.

Started: 7/7/42
Completed: 7/20/42

0	15	Soil and clay
	20	Creek gravel
	50	Blue soapstone & mundic
	70	Gray flint
	80	Hard gray flint
	100	Shelly flint
	135	Hard gray flint
	140	Hard Gray lime
	155	Hard gray flint
	175	Gray flint
	180	Gray and brown flint, gray lime (10%) fair shines

Assay	Pbs	Zns
155 - 157½	0.02	1.65
160	0.03	1.02
162½	0.18	1.50
165	0.12	1.23
167½	0.14	2.10
170	0.06	1.92
172½	0.03	1.59
175	0.05	1.50
	.63	12.51
	.04	1.56

SHELTON MINING COMPANY

Exhibit _____

Hole No. 4

Location - 136' W of Hole No. 3 and 164' N. of fence South and of lease.
Land - R. G. Weaver - Lease - J. G. Shelton

Struck water 20'
Stands at 10'

Started: 7/22/42
Completed: 8/8/42

0	12	Soil
	15	Gravel
	35	Brown shale
	55	Black shale
	80	Blue and white flint
	115	Gray and white flint
	125	Blue and white shelly flint
	160	Gray flint
	162½	Gray lime (60%) and flint
	175	Gray flint tr. lead - zn. shines
	180	Brown and gray flint

No assays.

Page ____

SHELTON MINING COMPANY

Exhibit _____

Hole No. 5

Land - R. G. Weaver - Lease - J. G. Shelton

Water level 6 ft.

Driller - Shouse

Started: 6/10/43
Completed: 6/21/43

0	12	Soil, clay
	15	Gravel, water
	22	Grey flint, grey lime
	28	Opening - yellow mud
	38	Grey brown flint, grey lime
	45	Grey, blue flint, grey lime
	60	Grey lime, grey, brown flint
	65	Grey lime, grey, white flint
	70	Opening - lost cuttings.
	78	Open ground, mud
	90	Loose white flint, sand lime, yellow mud
	92½	White flint, grey lime
	95	Grey lime, grey flint, some blue flint
	105	Grey, white flint
	115	Grey, white flint, grey lime
	130	White, grey flint
	145	Grey lime, grey, white flint
	155	Brown, grey lime
	160	Grey lime, white flint, shale seams
	165	White, grey flint, grey lime
	167	Glassy, white, grey flint
	168	Brown lime, white flint

SHELTON MINING COMPANY

Exhibit _____

Hole No. 6

Land - Weaver - Lease J. G. Shelton

Water stands 6 ft.

Driller - C. O. Ewers

Started: 6/23/43
Completed: 7/1/43

0	9	Soil & clay
	14	Gravel
	30	Gray shale, mundic
	45	Blue shale, mundic, water 45-46
	48	Gray lime, gray flint & shale
	52	3 ft. opening - no cuttings.
	68	Gray lime, white flint, mundic
	87½	Shelly, dark gray flint, some white flint
	105	White & some gray flint
	135	Gray white flint, gray lime & some brown flint
	152½	White gray flint, gray lime
	155	Brown gray white flint, some gray lime
	157½	White gray flint, gray lime, jack shines
	160	White gray flint, gray lime, traces jack
	163	Gray flint, brown lime

Assay	Zinc
152½ - 155	0.26

Assay by Bruce Williams Laboratories.

Page _____

SHELTON MINING COMPANY

Exhibit _____

Hole No. 7

Land - R. G. Weaver - Lease - J. G. Shelton

Water level 10 ft.

Driller - Shouse

Started: 7/2/43
Completed: 7/6/43

0 4	Tailings
20	Soil, clay
22½	Gravel & water
25	Gravel - grey lime boulders
40	Grey shale, mundic
52½	Blue shale - mundic
60	Grey flint, lime boulders, mundic
80	Grey white flint some grey lime
100	Grey, light blue flint
115	White grey flint, shelly
120	Dark grey, brown, white flint, grey lime shelly
135	Light blue, grey, some brown flint shelly
145	Glassy, grey, white flint
150	White, grey flint, mundic, thin trace zinc
152½-155	White, grey, brown flint, mundic, zinc shines
157½	White, grey, brown flint, good zinc shines, thin trace lead
160	White, grey, brown flint, good zinc, trace lead, mundic
162½	White, grey flint, grey lime, good zinc shines mundic lead mundic
165 -167½	White, grey flint, grey lime, good zinc shines mundic
170	White, grey flint, extra good zinc, fair lead shines, mundic
172½	White, grey, light brown flint, good zinc shines, mundic
175	Grey lime, grey flint, zinc trace, mundic

Assay	Zinc	Lead
155-157½	0.56	
157½-160	1.36	
160-162½	0.66	
162½-165	1.10	
165-167½	0.48	0.17
167½-170	4.40	0.57
170-172½	1.52	0.13

Assayed by Bruce Williams Laboratories.

SHELTON MINING COMPANY

Exhibit _____

Hole No. 8

L Land - R. G. Weaver - Lease - J. G. Shelton

Water level 12 ft.

Driller - Shouse

Started: 7/7/43
Completed: 7/13/43

0	15	Soil & clay
	20	Gravel shale gray lime mundic
	35	Gray shale, mundic
	50	Blue shale mundic
	70	Gray lime, white flint, mundic, shelly
	75	Dark gray flint, gray lime
	90	Dark gray, light gray brown flint
	95	Gray, light blue, some brown flint
	110	Shelly, dark, light gray flint, sandy, lime, green selvage
	130	Dark gray, white, light blue flint
	140	Gray, white, brown flint
	145	White, gray, brown flint, tiff & mundic
	150	Brown, gray, white flint, sandy lime, few zinc shines
	152½	Brown, gray, white flint, sandy lime, few lead shines, trace zinc
	155	Lost cutting - opening 154-155
	157½	Gray, white flint
	160	Gray, brown flint, some brown lime
	165	Brown lime, gray flint
	168	Gray flint, good zinc
	171	Dark gray lime

Assay	Zinc	Lead
165-168	6.80	1.10

Assay by Bruce Williams Laboratories.

SHELTON MINING COMPANY

Exhibit _____

Hole No. 9

Land - R. G. Weaver - Lease - J. G. Shelton

Water level 25 ft.

Driller - Dixon, Jenkins & Bennett

Started: 1/17/44
Completed: 1/26/44

0	14	Surface & yellow clay
	30	Grey shale & iron
	50	Black sticky shale & iron
	55	Grey & blue flint & dark lime & iron
	60	White & grey flint, grey lime & iron
	65	White & grey flint & iron
	70	White & Blue flint & iron
	85	Grey & white spotted flint
	90	Blueish grey flint
	105	Blue & grey spotted flint
	115	Blue & grey flint & selvage
	120	Grey & blue flint & rusty flint
	125	Blue & grey flint
	135	Blue & grey flint & grey lime
	145	Grey lime & grey flint
	150	Grey lime & grey flint
	155	Grey lime & little grey & white flint
	165	Grey lime
	170	Grey lime & grey flint
	175	Grey flint & little grey lime
	180	White & grey flint & brown lime

SHELTON MINING COMPANY

Exhibit _____

Hole No. 10

Land - Weaver

Contractors - Bennett & Jenkins

Driller - Frank Gross

Water level 35 feet

Started: 1/1/44
Completed: 1/14/44

0	15	Surface & yellow clay
	30	Gray shale
	50	Blue shale & iron
	55	Dark lime, white flint, tiff, iron
	70	Blue & white flint
	90	White & blue spotted gray flint, loose iron
	100	Gray & white flint & iron, selvage
	110	Gray lime, boulders & white flint
	120	Gray lime, boulders & white flint
	140	White & gray spotted flint & gray lime
	150	White flint & gray lime
	160	White & gray flint, selvage, tiff
	165	Brown lime
	170	Brown lime & white flint, selvage
	175	Gray & white flint, selvage
	182	Yellow & white flint loose

SHELTON MINING COMPANY

Exhibit _____

Land - Weaver

Driller - Shouse

Started: 6/9/43
Completed: 6/9/43

0	12	Soil, clay
	15	Gravel, water
	15	hard ground

Page _____

SHELTON MINING COMPANY

Exhibit _____

Hole No. 2

Land - Weaver - Virginia Lease

Struck water at 30', stands at 25'

Started: 6/17/16
Completed: 7/17/16

0	20	Soil, gravel and red mud
	45	Gray lime, white & blue flint boulders, red mud
	85	Blue & white flint, limestone boulders & red mud
	95	Blue & white flint boulders, red mud & tiff
	100	Blue & white flint, lime & spar boulders & red mud
	140	White & blue flint & gray spar
	155	White shelly flint & red mud
	160	White & blue flint, spar, lime, zinc & lead shines
	161	" " " " fair zinc & lead
	164	" " " " " " "
	167	" " " " " " "
	170	" " " " " " "
	173	" " " " " " "
	176	" " " " little mundic, zinc & lead
	179	" " " " " " " "
	182	" " " " " " " "
	185	" " " " " " " "
	188	" " " " " " " "
	191	" " " " " " " "
	195	" " " " extra good zinc & lead
	201	White flint and brown lime

Assays		Iron	Lead	Blende
155	161	1.17	0.15	3.00
161	164	1.42	0.05	3.90
164	167	1.20	0.10	5.40
167	170	0.90	0.05	4.72
170	173	1.12	0.15	5.77
173	176	0.72	nil	5.25
176	179	0.50	"	3.82
179	182	0.60	"	4.20
182	185	0.52	"	3.67
185	188	0.62	0.05	4.65
188	191	0.65	nil	5.17
191	195	1.00	0.02	4.35

SHELTON MINING COMPANY

Hole No. 1

Land - Weaver
Location - about middle of forty by big rock on top of hill
Driller - T. L. Crampton

Struck water at 60 ft.
Water Stands at 40 ft.

Started: December 18, 1916
Completed: December 28, 1916

0	15	Soil and gravel
	40	Black lime boulders
	110	Lime and flint rifs
	121	Yellow flint
	160	Lime and flint
	190	Lime
	195	Water flint and lime
	200	Water flint and brown lime

SHELTON MINING COMPANY

Exhibit _____

Hole No. 2

Land - Weaver

Location - 350 ft. north of Southwest corner and 80 east

Driller - T. L. Crampton

Started: December 29, 1916
Completed: January 3, 1917

0	6	Soil
	12	Pink shale
	63	Soap Stone Black
	70	Hard white shale
	107	Black Soap Stone
	120	Soft lime flint with Soap
	165	Flint Lime and selvage
	180	Flint and lime
	185	White flint
	191	Flint soft lime
	200	Hog Chow Flint

SHELTON MINING COMPANY

Exhibit _____

Hole No. 3

Land - Weaver

Location - 30 ft. north of Southwest corner and 20 ft. east

Driller - T. L. Crampton

Started: January 5, 1917
Completed: January 11, 1917

0	12	Soil and clay
	21	White Soap Stone
	50	Soap Stone
	55	Soft Lime
	95	Black Soap
	115	Soft Yellow and White Flint
	125	Lime Flint and Selvage
	140	White Shelly Flint
	155	Nice Lime Blue Flint
	200	Yellow Flint and Gravel

Struck water at 55 ft., water stands at 25 ft.

Page _____

Exhibit _____

SHELTON MINING COMPANY

Hole No. 1

Land - Weaver

Driller - Earl Bennett

Struck water at 45
Stands at 30

Started: 8/3/37
Completed: 8/11/37

0	25	Sand and clay
	30	Boulders and red mud
	35	" " "
	40	" " "
	45	" " "
	50	Shelly flint, red mud
	55	Sholly flint, lime boulders
	60	" " " "
	65	Mud and boulders
	70	Shelly flint and mud
	75	" " "
	80	" " "
	85	Gray lime shelly flint
	90	Gray lime shelly flint, red mud & tiff
	95	" " " " " "
	100	Gray lime shelly flint, red mud & tiff
	105	Gray lime shelly flint, red mud & tiff
	110	Gray lime shelly flint, red mud & tiff
	115	Gray lime shelly flint, red mud and tiff
	120	Gray lime blue and white flint
	125	" " " " "
	130	Gray lime, white shelly flint & tiff
	135	White & blue flint, hard rib
	140	Gray lime, gray and blue shelly flint
	145	Shelly flint, red mud
	150	White and blue flint
	155	White and blue flint
	160	White and blue flint, few zn sh.
	162½	Gray lime, selvage, blue & white flint, zn. sh.
	165	Gray lime, blue and white flint & tiff, zn. sh.
	167½	Yellow, blue and white flint, zn. sh.
	170	Gray lime blue and white flint, zn. sh.
	175	Gray lime white flint, zn. sh.
	180	Gray lime, blue and white flint

Page ____

SHELTON MINING COMPANY

Exhibit _____

Hole No. 2

Probably Chalkers

Land - Weaver

Driller - Earl Bennett

Struck water at 45
Stands at 30

Started: 8/12/37
Completed: 8/30/37

0	23	Clay and soil
	25	Gray lime, yellow flint, red mud
	30	Gray lime, white flint
	35	Gray lime selvage seams, white flint
	40	Gray lime shelly flint, red mud
	50	Gray lime, shelly flint, red mud
	65	Blue flint, gray lime
	80	Shelly flint, gray lime, red mud
	95	Hard gray lime, blue flint
	100	Shelly flint, red mud
	110	Soft lime
	120	Shelly flint lime
	145	Blue flint gray lime
	160	Shelly flint soft lime selvage seams
	170	Brown lime, tiff
	180	Gray lime, yellow flint
	185	Gray lime, white flint
	195	Black lime, white flint

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

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

NOT TO BE FILLED IN BY APPLICANT

Docket No. dmd 1088

Date received 4-30-51

Shelton Mining Company
319½ Main Street
Joplin, Mo.

Name and address of applicant

Date April 26, 1951

INSTRUCTIONS

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

GENERAL TECHNICAL DATA

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

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State.
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production _____

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*b*) State briefly the known history and production of adjoining and neighboring properties.
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

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

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

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

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)					
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)					

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

12. Ore or Mineral Reserves:

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

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

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

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

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)					
Indicated (probable)					

(*c*) If placer:

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

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

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

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

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

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

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

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

Shelton Mining Company
(Name of company)

By J. G. Shelton
(Signature of authorized official)

April 26, 1951
(Date)

Manager
(Title)

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

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

SHELDON MINING COMPANY

1. (a) Mine products - zinc and lead.

   (b) No by-products at Mine.

SHERMAN MINING COMPANY

2. (a) No shafts.

(b) No drifts or crosscuts.

(c) No tunnels or adits.

(d) No other mine openings except drill holes.

Applicant proposes to drill holes for exploration.

SHLPCH MINING COMPANY

5. (a) Oronogo, Mo. - 4 miles south. Served by Frisco Railway.

(b) Central District of Webb City and Carterville Mining District.

(c) The southwest quarter (SW¼) of the Northeast quarter (NE¼) and all that part of the northeast quarter (NE¼) of the northeast quarter (NE¼) lying on south side of Spring River, all in Section eighteen (18), Township twenty-nine (29), Range thirty-two (32), Jasper Co. Missouri. ALSO that part of the Southeast quarter (SE¼) of the southeast quarter (SE¼) of Sec. seven (7), lying south of Spring River, and that part of the northwest quarter(NW¼) of Northwest quarter (NW¼) of Sec. seventeen (17), lying south of Spring River, all in Twp. twenty-nine (29) Range thirty-two (32), Jasper County, Mo. more or less.

(d) Jasper County, Missouri.

SHELTON MINING COMPANY

4. (a) Not in operation.

(b) Will be operated as lessee.

SHELTON MINING COMPANY

5. (a) This was operated 14 months by Virginia Mining Co. during 1912 and 1913.

(b) Immediately after property is proven by exploration.

SHELTON MINING COMPANY

J. G. Shelton states his experience as follows:

His mining experience has been general in the Southwest Missouri; Picher, Okla.; and Southeastern Kansas mines, generally known as Tri-State mining area. Contracted shaft sinking and driving drifts in the Picher field until 1926.

During this time contracted and sunk two shafts on the Hunter Property, south of Baxter Springs, Kansas.

From 1926 to 1928, contracted shaft sinking and served with the M. & H. Zinc Company as general ground Foreman.

During 1928 and 1929 as superintendent for the Metals Exploration Company of Picher, Okla.

All mines were closed down from 1929 to 1933.

In 1933, 1934 and 1935 part owner and ground foreman for the New Deal Mining Company.

Since 1935 has been engaged in leasing for self and following companies: Eagle-Picher M. & S. Co., Childress Royalty Co., St. Louis M. & S. Co. and the Rialto Mining Company.

As reference he submits the following names of experienced mining men in the Tri-State Mining District:

H. M. Harrison, Mgr.	Eagle-Picher M. & S. Co., Cardin, Okla.
R. K. Stroup, Mining Engr.	Eagle-Picher M. & S. Co., Cardin, Okla.
Chas. C. Keith, Director	State Bureau of Mines, 1719 Jackson, Joplin, Mo.
Geo. M. Fowler, Mining Geol.	Joplin National Bank Bldg., Joplin, Missouri
C. C. Playter, Mine Opr.	2126 N. Park Joplin, Mo.
Harry Easley, Banker	108 N. Main Street, Webb City, Mo.

SHELTON MINING COMPANY

7. (a) Mine was opened and operated by the Virginia Mining Co. in March, 1912, until April 1913. Approximately 44,000 rock tons were removed, yielding 1109 tons zinc and 406 tons lead, figuring lead as twice the value of zinc, this shows an average recovery of 4.36. The above figures were obtained from available records kept by the Virginia Mining Co.

(b) 1/2 mile North and East the Tiger Mine operated until 1915. The Century Lead and Zinc Co. operated this lease with an average recovery of 12½%. This ore body extended 2 miles North. Mined by several companies. Known as the Rock City District. 4 miles south of this lease the Oronogo Circle Mining Co. has been in operation almost continuously for 50 or more years until 1946, at which time it shut down as the price of ore was low and it could not operate. An exceptionally productive property.

2 1/4 miles Southwest the Potter & Sims is in operation 24 hours daily with an average recovery of 6.6%.

2 miles east of this lease exploration has been completed and A Block of App. 350,000 rock tons has been laid out with an estimated recovery of 8%.

SHERSON MINING COMPANY

7. (c) The following is the Drill Hole Analysis of holes drilled by applicant in 1942, 1943 and 1944. Three of these holes tend to show a run of ore which would block out approximately 47,000 Rock Tons of 3.21 Wtd. average recovery or approximately 1500 tons ore. Applicant proposes to drill as many holes as necessary to prove or disprove this property.

Drill Hole Analysis

Drill Hole	Depth	Thickness	Blende Assay	Assay Feed Zn	Assay Feet Pb	Total Assay Ft.
2	161-166	5	4.47	22.35		22.35
	166-169	3	1.29	3.87		3.87
				26.22		
3	160-162½	2.5	1.50	3.75	0.90	4.65
	165	2.5	1.23	3.075	0.60	3.675
	167½	2.5	2.10	5.25	0.70	5.95
	170	2.5	1.92	4.80	0.30	5.10
				16.875		
7	162½-165	2.5	1.10	2.75		2.75
	167½	2.5	0.48	1.20	0.85	2.05
	170	2.5	4.40	11.00	2.85	13.85
				15.95		
8	165-168	3	6.80	20.40	6.60	27.00
		28.5				91.24

Ave. thickness 7.125 Wtd ave. 3.21

SHELTON MINING COMPANY

8. Applicant is operating as The Shelton Mining Company at present. Intends to incorporate if loan is approved.

SHERSON MINING COMPANY

9. Does not apply at present.

SHELTON MINING COMPANY

10. Not in production.

SHELTON MINING COMPANY

11. Does not apply at present.

SHELTON MINING COMPANY

12. Does not apply at present.

SIMPSON MINING COMPANY

13. Good graveled and black top roads to Oronogo, Mo. nearest shipping point. Good graveled and black top roads to Alba, Mo., Purcell, Mo., & Neck City, Mo. nearest residence points, about 2 miles from lease.

SHERACH MINING COMPANY

14. Spring River adjoins lease on North with sufficient water for year around operations. This lease will require pumping which will also supply about 500 gallons of water per minute.

SHENANDOAH MINING COMPANY

15. Does not apply at present.

SHELTON MINING COMPANY

16. Does not apply at present.

SHELTON MINING COMPANY

17. No equipment on lease.

SHEATON MINING COMPANY

18. None.

FILE COPY
Surname:

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

N.S. in R.R.

March 23, 1954

PROJECT SUMMARY REPORT

By: J. W. Alt

1. Docket No. DMA-1088 (Zinc)
Contract No. Idm-5122
Property: Shelton Mining Company Leases
Location: Jasper County, Missouri

Operator: Shelton Mining Company, Inc.
319½ Main Street
Joplin, Missouri

Operator's Property Rights: Lessee

Mining Lease - E. E. Weaver and Orpha Weaver, dated January 8, 1951
Mining Lease - J. C. and Ethel Rowe, dated May 24, 1950
Mining Lease - Andrew J. Perry, dated January 9, 1951
Mining Lease - O. L. Farmer and Evelyn W. Farmer dated December 13, 1950
Mining Lease - Fra B. Plank and Theren S. Plank, Jr., dated January, 1951

Landlord's Subordination Agreements:

Earl W. Weaver and Orpha Weaver - August 3, 1951
Andrew J. Perry - July 30, 1951
O. L. Farmer and Evelyn W. Farmer - August 3, 1951
J. C. Rowe and Ethel Rowe - July 31, 1951

Guaranty in lieu of Landlord's Subordination Agreement dated August 21, 1951

2. Contract dated August 21, 1951, To complete - 12 months

Work Authorized

30 churn drill holes ranging in depth from 180 to 200 feet in depth totaling 5,700 feet.

Drilling, 5,700 feet @ $2.00 per foot	$11,400.00
Supervision, 5,700 feet @ $0.40 per foot	2,280.00
Sampling expenses	320.00
Total	$14,000.00
Government participation @ 50%	$ 7,000.00

Amendments

No. 1, dated September 5, 1952
Changes completion time from (12) to (18) months

Work Completed

15 holes drilled - total churn drilling 2,760½ ft.	$5,521.00
Supervision	1,104.20
Sampling	36.00
Total cost	$6,661.20
Government participation @50%	$3,330.60

Work on project was started on September 27, 1951 and was stopped on October 13, 1952.

Contract terminated February 24, 1953

3. Audit Certificate - Report of Review - dated August 18, 1953

4. Certification dated May 7, 1953
The churn drilling which was done showed the existence of a mineralized area (known locally as a sheet-ground deposit) containing 56,000 tons of submarginal ore with an estimated grade of 1.30 per cent zinc and 0.18 percent lead.

5. All work that was completed was done according to the terms of the contract.

Calculations by W. T. Perkins, Mining Engineer, U. S. Bureau of Mines, shows 56,600 tons of indicated sub-marginal ore containing 735 tons available zinc and 82 tons of lead were discovered by the project. In addition, Mr. Perkins' report indicates that 7,100 tons of inferred ore containing 1.76 percent Zn and 0.15 percent Pb are present.

/s/ J. W. Alt
J. W. Alt

JWAlt:ag 4/5/54

☑ Audited

☑ Certified

Name Shelton Mining Co.

State Missouri

K ANALYSIS SHEET - DMEA PROJEC

Analysis as of 12/9/54
Incl. Voucher for Oct.-'52

Commodity Zinc

☑ Actual Cost

☐ Agreed Unit Costs

Docket No. 1088

Idm-E No. 122

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Churn	5700	11,400.00	2760.5	5,521.00	6,661.20
Surface Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation					
New Building, Improvements, etc.					
Other (Specify) Supervision and sampling		2,600.00		1140.20	1,140.20
Totals		14,000.00		6,661.20	6,661.20

Prepared by TEJ

71626

500

Please note

Re: DMA-1088

Mr. Selfridge: Main, sic, should write memo

As this file will be closed on the basis of this letter, don't you think it should contain a short memo of reasons for not also advising the Operator (apparently non-existent) and the other landowners (address unknown in one case, no replies to inquiries in other cases)?

Talbot

11/19/61

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
11/17		~~500~~
		800
		~~120~~
		~~110~~
		100
		220

November 17, 1961

Memorandum to the File

From: Chief, Division of Minerals

Subject: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

In closing the Shelton Mining Company docket we find that we are unable to notify all parties concerned as regards the expiration of the Government royalty period.

The Shelton company is out of business and defunct, and we are unable to obtain the addresses of parties who executed Landlord's Subordination Agreements, with the exception of Mr. and Mrs. J. C. Rowe, whom are being duly notified.

43683

OFFICIAL FILE COPY O. M. E RECEIVED OCT 30 1961		
DATE	INITIALS	CODE
10/30	EW	800
"	Brewbaker	500
		~~500~~
		220

Jess C. Rowe
109 N. Jefferson
Webb City, Missouri

Webb City, Missouri
October 26, 1961

United States
Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

OMEA-1088
E100

Gentlemen:

In reply to your letter of October 17, advise there has been no production from this land. It was never drilled or developed because Shelton Mining Company has not operated for several years.

Will you please release contract.

Sincerely,

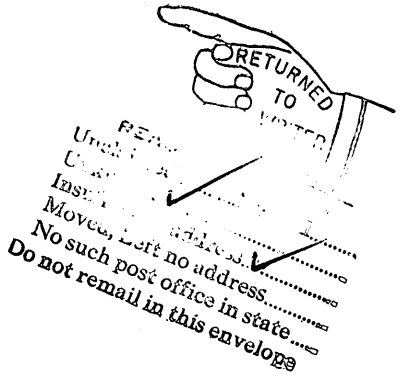
Mr + Mrs J C Rowe

Last information (Rowe)

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

OFFICIAL BUSINESS

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF INTERIOR



Mr. Andrew J. Perry

Webb City, Missouri

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

OCT 1 7 1961

Mr. Andrew J. Perry

Webb City, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. Perry:

With reference to the Landlord's Subordination Agreement signed by you on July 30, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

George Turnich
Director

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/17	Griswold	500
10/17	Selbridge	120
"	Johnson	110
10/17	Fumich	100
10/17	gad	220

OCT 1 7 1961

Mr. Andrew J. Perry

Webb City, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. Perry:

With reference to the Landlord's Subordination Agreement signed by you on July 30, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

/s/ George Fumich, Jr.

Director

WRGriswold/gla
10-17-61
cc to: Director's Reading File
Region IV
Docket
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/16	Griswold	500
		120
		110
		100
		220

Mr. R. B. Prince

Webb City, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. Prince:

With reference to the Landlord's Subordination Agreement signed by you on July 30, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

Director

WRGriswold/gla
10-16-61
cc to: Director's Reading File
Region IV
Docket
Code 500

43683

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

OFFICIAL FILE COPY
O. M. E
RECEIVED JUN 29 1962

DATE	INITIALS	CODE
7/4	EW	800
OCT 17 1961		500
	Received	
		220

Mr. and Mrs. O. L. Farmer

Carthage, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. and Mrs. Farmer:

With reference to the Landlord's Subordination Agreement signed by you on August 3, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

George Turnich
Director

There has never been any production on this since we purchased it in 1951

The O. L. Farmers

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/16	[illegible]	500
10/17	Selfridge	120
"	[illegible]	110
10/17	Farmer	100
10/17	gad	220

OCT 17 1961

Mr. and Mrs. O. L. Farmer

Carthage, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idn-E122

Dear Mr. and Mrs. Farmer:

With reference to the Landlord's Subordination Agreement signed by you on August 3, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

/s/ George Fumich, Jr.

Director

WRGriswold/gla
10-16-61
cc to: Director's Reading File
Region IV
Docket

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/16	Griswold	500
10/17	Selfridge	120
"	Johnson	110
"	Fumich	100
10/17	gad	220

OCT 17 1961

Mr. and Mrs. J. C. Rowe

Webb City, Missouri

Re: DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract Idm-E122

Dear Mr. and Mrs. Rowe:

With reference to the Landlord's Subordination Agreement signed by you on July 31, 1951, and pertaining to the subject contract, would you be kind enough to advise us if there has been any production from this land since June 30, 1958.

Sincerely yours,

/s/ George Fumich, Jr.

Director

WRGriswold/gla
10-16-61
cc to: Director's Reading File
Region IV
Docket
~~Code 500~~

43683

REQUEST FOR INFORMATION
FROM OPERATOR ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

From: Chief, Division of Field Operations
~~Field Officer, OME~~
Office of Minerals Exploration
Department of the Interior
Washington 25, D. C.

Date: February 23, 1961

Concerning:
Docket No. DMEA-1088 (Zinc)
Property Shelton Mining Company, Inc.
Shelton Mining Company Leases
Location Jasper County, Missouri
Contract Idm-E122

Mr. J. G. Shelton
Shelton Mining Company, Inc.
Webb City, Missouri

Returned by J.O. Johnson

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return ~~one copy~~ two copies to this office with copies of any pertinent documents.

George C. Selfridge
~~Field Officer~~
Chief, Division of Field Operations

1. Since June 30, 1958, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents. Yes ☐ No ☐

2. Since June 30, 1958, has there been any production from the property?* Yes ☐ No ☐

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

	Quantity	Value

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

Type	Quantity	Estimated Grade	Location
Ore	Tons		
Concentrates	Tons		
Other	Tons		

Submitted by:

Name _____ Title _____

Address _____ Date _____

MME Form 63 8-60 * Property means land subject to the contract. 79340-60

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

OFFICIAL BUSINESS

WASHINGTON 32 D.C.
FEB 23
8-PM
1961

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF INTERIOR

RETURNED TO WRITER

REASON CHECKED
Unclaimed..... Refused.....
Unknown.....
Insufficient address.....
Moved, Left no address.....
No such post office in state.....
Do not remail in this envelope

Mr. J. G. Shelton
Shelton Mining Co., Inc.
Webb City, Missouri

Unknown at this address

REQUEST FOR INFORMATION
FROM OPERATOR ON CERTIFIED PROJECT
AND PROJECT UNDER ROYALTY AGREEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

From: ACTING Field Officer, OME
Region IV
Washington 25, D. C.

Date: August 29, 1960

Concerning:
Docket No. DMEA-1088
Property Shelton Mining Company, Inc.
Location Jasper County, Missouri
Contract Idm-E122

Shelton Mining Company, Inc.
319½ Main Street
Joplin, Missouri

With the certification of the exploration project identified above, you were asked to inform our office about changes in the status of the property and production from it.

To assist you to furnish this information and to assure the accuracy of our records, we ask that you answer the questions below and return one copy to this office with copies of any pertinent documents.

ACTING Field Officer Lawrence G. Houck

1. Since June 30, 1958, has there been a change in ownership, lease, or sublease about which the OME has not been notified? If yes, please state details of the transaction below and provide a true or signed copy of the pertinent documents. Yes ☐ No ☐

2. Since June 30, 1958, has there been any production from the property?* Yes ☐ No ☐

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

	Quantity	Value

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

Type	Quantity		Estimated Grade	Location
Ore		Tons		
Concentrates		Tons		
Other		Tons		

Returned unknown

Submitted by:

Name _____ Title _____

Address _____ Date _____

MME Form 63 8-60 * Property means land subject to the contract. 79340-60

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/14	[illegible]	500
8/16	[illegible]	130
"	[illegible]	110
"	[illegible]	100
8/19	[illegible]	225
		500

500

AUG 19 1957

Mr. Clinton G. Knox
Executive Officer
DMEA Field Team, Region IV
Post Office Box 431
Joplin, Missouri

Re: Docket No. DMEA-1088 (Zinc-Lead)
Shelton Mining Company, Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract No. Idm-E122

Dear Mr. Knox:

We have your Semi-Annual Report on Certified Project for the Shelton Mining Company, dated July 31, 1957, with your comments concerning the Shelton and Fleischaker application, Docket No. DMEA-4520.

We are somewhat at a loss as to the cause of your concern. Field Team reports are, at all times, considered as being of a confidential nature. In your May 31 memorandum, you recommended that the application be denied without prejudice. However, denials, with or without prejudice, must be based upon evidence or lack of evidence pertaining to the merits of the property concerned.

We make a straight denial because the evidence suggests that a proposed project is not warranted; we make a "denial without prejudice" because we lack sufficient evidence to form an opinion. In this instance we could not make a denial without prejudice since, in Item 6 of your May 31 recommendations, you state your conviction that six drill holes are warranted.

We were therefore left with no alternative other than to consider the application as being withdrawn. We obviously cannot make a withdrawal arbitrarily, without good and sufficient reasons, and the only reasons we know of were those cited in your May 31 memorandum.

8623

Since they were statements which you attributed to the Applicant himself, made in the Field Team office, he has little ground for complaint if we accepted his own statements at face value.

We further note the statement "if DMEA had shown any promptness in complying with the application proposal". The application was received by us on October 26, 1956, it was referred to the Field Team on November 15, 1956. On May 22, 1957, we wrote inquiring as to its status. Your memorandum, dated May 31, 1957, was received by us June 17 and, after clearance with the commodity members, our withdrawal letter was sent out July 11. All in all we must conclude that this Applicant has little ground for grievance. We have tried to handle the matter at this end in an expeditious manner and it is evident from your May 31 narrative that both Dewey Amos and yourself went to considerable pains to assist the Applicants in every possible manner, at all times. However, since you state Mr. Shelton is an elderly gentleman, we must be tolerant.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JB)

APPROVED:

/s/ O. M. Bishop (JB)
Member, Bureau of Mines

W. P. Williams (JB)
Member, Geological Survey

WRGriswold/er 8/15/57
Copy to: Docket (2) - DMEA-4520
Admr R File
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Op. Committee
Chron.

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

Betty

C
O
P
Y

P. O. Box 431
Joplin, Missouri

December 23, 1955

Airmail

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

DmEA-1088

Dear Mr. Selfridge:

In response to your telegraphic request dated December 20, this is to advise that no royalty repayments were made in Region IV during this month. In fact none were received during the entire last half of 1955.

During the first half, as per my Semi-Annual report to you dated August 9, the only royalty collected in Region IV was that by a deduction of $179.80 from the final settlement last March under Project Contract Idm-E468, Amerimex Mining Co., Docket DMA-2202X (mercury). That amount ostensibly covered all 1953 productions; there was no production throughout 1954.

Under that contract, I tentatively plan making a production inspection at the Fresno mine, Presidio County, Texas, at the earliest opportunity, probably about February. Then I again will make every effort to obtain the complete 1955 production data from the present operator of that mine, the Terlingua Mercury Corporation, and try to collect the royalty payments due the Government in accordance with implied instructions in your September 29 letter to me.

With the addition of the following tabulation, however, this is intended also as my Semi-Annual Production Report on "Certified" projects in Region IV as of January 1, 1956:

Contract Number	Mineral Commodity	Operator	Date Certified	Production status	Tot. Royalty Paid to date
E-8	Mn	Westmoreland Corp.	2/27/52	None reported	None
E-48	Pb, etc.	National Lead	11/12/53	None	None
E-122	Zn	Shelton Mng. Co.	5/7/53	None	None

Contract Number	Mineral Commodity	Operator	Date Certified	Production status	Tot. Royalty Paid to date
E-139	Mn	Westmoreland Corp.	5-8-52	None reported	None
E-325	Pb-Zn	Dale Mng. Co.	(pending)	None in 1955	$886.49
E-468	Hg	Amerimex Mng. Co.	1-8-54	1955 output undetermined	$179.80

With the Season's Greetings, I am

Sincerely yours,

Signed/ Clinton C. Knox
Clinton C. Knox
Executive Officer
DMEM Field Team, Region IV

CCK/vks

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROYALTY REPAYMENTS
AS OF AUGUST 31,1954

OPERATOR

Shelton Mining Company (c)

CONTRACT NO.

E-122

DOCKET NO.

1088

DATE OF CERTIFICATION

5/7/53

AMOUNT REPAYABLE

$3,330.60

RECEIVED DURING AUGUST

$ -

TOTAL RECEIVED

$ -

DATE OF LAST RECEIPT

- - -

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROYALTY REPAYMENTS
AS OF JULY 31,1954

OPERATOR

Shelton Mining C ompany (c)

CON T RACT NO.

E-122

DOCKET NO.

1088

DATE OF CERTIFICATION

5/7/53

AMOUNT REPAYABLE

$3,330.60

RECEIVED DURING JULY

$ -

TOTAL RECEIVED

$ -

DATE OF LAST RECEIPT

--

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
May 14, 1953

Re: Docket No. DMA-1088X
Contract No. Idm-E122
Shelton Mining Co.
Lead-Zinc

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
MAY 18 1953

Memorandum

To: Operating Committee

From: W. P. Williams, Executive Officer, Field Team, Region VI

Transmitted herewith are the original and two copies of a Final Report submitted to this office by the Shelton Mining Company. This report covers work accomplished under the above referenced contract.

You will note that the Operator calculates that 14,300 rock tons of lead-zinc ore averaging 3.52 percent ZnS and 0.22 percent PbS has been discovered as a result of the contract work. These figures are in contrast with those calculated by this Field Team. Calculations by E. T. Perkins, Mining Engineer, U. S. Bureau of Mines, shows 56,600 tons of indicated sub-marginal ore containing 735 tons of available zinc and 82 tons of lead were discovered by the project. In addition, Perkins' report indicates that 7,100 tons of inferred ore containing 1.76 percent Zn and 0.15 percent Pb are present.

A Certificate of Discovery was issued to the Operator by the Administrator, DMEA and is dated May 7, 1953.

W. P. Williams

W. P. Williams
Executive Officer

WPW:jd
Encs.
cc - Operating Committee

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

xxxxxxxxxxxxxxx
Joplin, Missouri
May 14, 1953

MAY 18 1953

Mr. J. G. Shelton
Webb City, Missouri

Re: Docket No. DMA-1088X
Contract No. Idm-E122
Shelton Mining Co.
Lead-Zinc

Dear Mr. Shelton:

I have received the Final Report describing operations and expenditures under DMEA Contract Idm-E122.

We have inspected this report and are forwarding the original and two copies to the Operating Committee, DMEA, Washington.

I note that a "Certificate of Discovery" has been issued to you by the Administrator, DMEA. If you have any questions concerning this document, I shall be glad to try to answer them.

Sincerely yours,

W. P. Williams
Executive Officer
DMEA Field Team, Region VI

WPW:jd

cc - Operating Committee
H. A. Fountain

MAY 13 1953

SHELTON MINING COMPANY, INCORPORATED
1711 CENTRAL STREET
JOPLIN, MISSOURI

FIELD OFFICE:
BAXTER SPRINGS, KANSAS
P. O. BOX 28. PHONE 662

Open Final Rpt.

May 14, 1953

Mr. W. P. Williams, Executive Officer
DMEA Field Team, Region VI
Defense Minerals Administration
Department of the Interior
United States of America
Joplin, Missouri

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
JOPLIN
MAY 18 1953

Dear Mr. Williams:

Subject: Final Report on Terminated Contract under Exploration Project Contract Idm-E122, Docket No. 1088X DMA dated Aug. 21, 1951 extended for 6 months on Aug. 5, 1952.

Under this contract, it was contemplated that 30 holes would be churn-drilled to an average depth of 190' on certain tracts of land in Jasper County, Missouri described as follows:

1. The SW¼ of NE¼ of Sec. 18 T29N R32W known as the Farmer land (40A)
2. Portion of NW¼ of SE¼ of the same Sec. 18 known as the Weaver and Eck lands (10A)
3. Portion of NE¼ of SW¼ of the same Sec. 18 known as the Arey land (30A)

The first hole, D-1, was started on Sept. 27, 1051; work was stopped on hole D-16 when tools were lost in the hole on Oct. 13, 1952. A tabulation of the work done follows:

Hole	Land	Started	Complted	Elevation			Hole	Discovery		
				Collar	Bottom Shale	Bottom Hole	Depth	Ore Face	%Zn	%Pb
D-1	Farmer	9/27/51	10/ 8/51	896.5	841.5	719.0	177.5	12.5	.80	.06
D-2	"	10/18/51	10/31/51	896.2	856.2	716.2	180.0	10.0	1.72	.38
D-3	"	11/13/51	11/30/51	897.6	857.6	724.6	173.0			
D-4	"	12/ 3/51	12/14/51	900.0	850.0	709.0	191.0			
D-5	"	12/19/51	12/29/51	899.3	849.3	723.3	176.0			
D-6	"	1/ 3/52	1/11/52	897.7	842.7	706.7	191.0	(Traces of Lead)		
D-7	Weaver	1/15/52	1/31/52	900.3	856.3	625.3	275.0	12.5	2.33	.25
D-8	"	2/ 6/52	2/13/52	900.8	855.8	720.8	180.0	10.0	1.13	.08
D-9	"	2/15/52	3/12/52	905.0	868.0	745.0	160.0			
D-10	"	3/13/28	3/28/52	905.0	861.0	689.0	216.0			
D-11	"	4/ 1/52	4/11/52	901.7	841.7	695.7	206.0	(Traces of Zinc)		
D-12	"	4/17/52	5/ 5/52	900.7	835.7	715.7	185.0	("	"	")
D-13	"	8/26/52	9/16/52	902.0	832.0	722.0	180.0			
D-14	"	9/23/52	9/24/52	903.5	833.5	828.5	75.0			
D-15	"	9/30/52	10/ 7/ 52	900.0	850.0	705.0	195.0			
Total footage for which cost has been shared 50/50							2760.5			
D-16	"	10/ 8/52	10/13/52	901.5	863.5	796.5	105.0			
Total footage drilled							2865.5			

Drill Logs of these holes D-1 to D-16 incl. and also Logs of holes S-2, S-3, S-7, and S-8, holes which I drilled about ten years ago, are included herewith. Assay results are shown on the Logs of holes D-1, D-2, D-7, D-8 and S-2, S-3, S-7, and S-8.

As may be seen on the maps last enclosed with this report, the area blocked out by previous drilling on the Farmer land, is, at a minimum, that of a triangle with a base of 150' from S-2 to S-3 and equal sides of 125' from S-2 to S-8 and from S-3 to S-8, or approximately 7,500 sq. ft. And analysis of the assays of these holes and of hole S-7 in the middle of the triangle shows an average ore face of 11.5' of 2.23% Zn and .16% Pb. The ore body of this prior discovery may thus be estimated at 6,500 rock tons of 3.7% Zns and .2% Pbs.

The area proved by holes D-1 and D-2 on the Farmer land may be estimated at a minimum as that of two triangles, 1) a right angle triangle D-1 to S-2 to D-2, approximately 1,700 sq. ft., and 2) an equal sided triangle with S-2 to S-8 as the base and D-2 as the apex, approximately 3,100 sq.ft. or a total of 4,800 sq.ft. And analysis of the assays of these four holes shows and average ore face of 8.4' of 2.49% Zn and .26% Pb. The ore body extension may thus be estimated at 2,100 rock tons of 4.15% Zns and .3%Pbs.

The area proved by holes D-7 and D-8 on the Weaver land may be estimated, possibly liberally, as that of a rectangle 125' x 50' or 6,250 sq.ftt And analysis of the assays of these holes shows an average ore face of 11.25' of 1.8% Zn and .18% Pb. Thus the ore body discovered here may amount to 5,700 rock tons of 3.0% Zns and 122% Pbs.

The estimated ore bodies summarized are:

Discovery	Land	Rock Tons	%Zns	%Pbs
Prior	Farmer	6,500	3.70	.2
Extension	"	2,100	4.15	.3
New	Weaver	5,700	3.00	.22
Total		14,300	3.52	.22

The costs of the work done are summarized as follows:

Items of Cost	Actual			Authorized by Contract		
	Cost	Feet	$/ft	Cost	Feet	$/ft
Contract drilling	$5521.00	2760.5	2.000	$11400.00	5700.0	2.000
Supervision	1104.20	"	.400	2280.00	"	.400
Sampling & Analysis	36.00	"	.013	320.00	"	.056
Total	$6661.20	2760.5	2.413	$14000.00	5700.0	2.456
DMEA share 50%	3330.60	"	1.2065	7000.00	"	1.228

We have been reimbursed promptly for your share of the cost. And we have enjoyed working with you and the members of your organization, very much.

Yours truly,

J. G. Shelton

J. G. Shelton

SHELTON MINING CO., INC.

Farmer Lease

Hole D-1 - Location: 46' North 30 deg. West of N. 2S.
Started: 9/27/51 Completed: 10/8/51
Casing Record: 18' - 8¼", 59' - 6¼" ; Size Hole: 59' - 8" Hole 118½' - 6¼"
Water Stands at 10'

0-5	Surface clay, gray, soft
18	Creek Gravel
51	Shale, some mundic
55	Lime, gray, soft
58	Creek Gravel
65	Creek Gravel, lime & white flint
75	Lime, white & brown flint
80	White & gray flint & mundic
85	" " flint & lime & mundic
90	" " " & mundic
95	White & blue flint & mundic
100	" " " "
115	" & gray " "
120	White & blue flint, lime & mundic
125	" " " tiff, lime & mundic
135	" " " & mundic
140	" gray " lime & mundic
150	" " " mundic & trace zinc
155	White & gray flint, sand, mundic, good pb & zn shines
157½	" " " " " "
160	" " " " " "
162½	" " mundic - trace zinc
165	" " fair zn, trace pb.
167½	White & blue flint, lots mundic, good zn. shines
170	" " gray flint, gray lime, lot mundic, zn shines
172½	" brown flint, lime, mundic, fair showing zn.
175	" " " brown lime, mundic - fair pb & zn shines
177½	" " " " " " trace zn.

Hole completed - 177½ ft.

	Zinc	Lead
162½-165	0.88	0.11
165-167½	0.96	0.08
167½-170	0.38	0.02
170 - 172½	1.00	0.03
172½-175	0.78	0.04

Assay by Bruce Williams Laboratories

SHELTON MINING CO., INC.

Farmer Lease

Hole D-2 - Location: 89' SE to S2, 90' N to D-1
Started: 10/18/51 Completed: 10/31/51
Casing Record: 18' - 8", 46' - 6"
Size Hole: 40' - 8" Hole 180' - 6"
Water Stands at 20'
Driller: Percy Howey

0 - 10	Soil and clay
18	Creek gravel
40	Black shale & boulder & mundic
50	Blue & gray flint, soft
65	White flint & gray lime
70	Brown lime, white flint
85	Gray lime & gray flint, soft
95	Gray & brown flint & selvage
110	White & gray & blue flint, soft
125	Gray lime, gray & blue flint
130	Gray & light blue flint
150	Gray flint & mundic, hard
155	White & gray flint
160	Gray flint & mundic
165	Gray flint, soft, fair lead & zinc fair
167½	Gray flint, mundic, traces of zinc
170	Gray flint, mundic, thin traces lead & zinc
172½	Gray & brown flint, thin traces lead & zinc
176	Gray & brown flint
180	Gray & brown flint

Hole completed - 180 ft.

	Zinc	Lead
160 - 165	3.20	0.78
165 - 167½	0.84	0.19
167½ - 170	1.12	0.15

Assay by Bruce Williams Laboratories

SHELDON MINING CO., INC.

Farmer Lease

Hole D-3

Started: 11-13-51 Completed: 11-30-51
Contractor: Fountain Drilling Co. Driller: Percy Hovey
Casing Record: 28 ft. 8 in. - 90 ft. 6 in.
Size of hole: 90 ft 8 in. - 173 ft 6 in.
Water: Encountered at 25 ft., stands at 10 ft.

0 - 15	Soil and clay
23	Creek gravel
40	Black shale, mundic
55	Soft gray lime and flint, mundic
75	Soft gray flint
85	Soft gray and white flint
105	White and gray lime and flint, mundic
115	Hard white and gray lime and flint
120	Hard white and gray lime and flint
145	Hard white and gray flint
150	Hard white flint, mundic
167½	Hard gray flint
173	Hard gray flint and lime

SHELTON MINING CO., INC.

Hole No. D-4

Land: OL L. Farmer
Contractor: Fountain Drilling Co. Driller: Percy Fowey
Started: 12-3-51 Completed: 12-14-51
Casing: None
Size of hole: 100 ft. 8 in. - 91 ft. 6 in.
Water: Encountered at 35 ft., stands at 10 ft.

0 - 10	Soil and clay
20	Black shale
30	Black shale, little creek gravel
40	Gray shale
50	Black shale, mundic
68	Soft gray lime and flint, mundic
80	Soft gray lime and flint
100	Soft gray flint
150	Hard gray and white flint
155	Hard gray and brown flint
165	Hard gray and white flint, green selvage
185	Hard gray flint
191	Soft gray and yellow flint

SHELTON MINING CO., INC.

Hole NO. D-5

Land: O. L. Farmer
Contractor: Fountain Drilling Co. Driller: Percy Howey
Started: 12-19-51, Completed: 12-29-51
Casing Record: 110 ft. 6 in.
Size of hole: 110 ft. 8 in. - 66 ft. 6in.
Water: Encountered at 50 ft., stands at 12 ft.

0 - 5	Soil and clay
20	Yellow clay
35	Black shale
45	Gray shale
50	Black shale, mundic
55	Gray lime and flint, mundic
100	Soft gray flint
110	Gray and white flint
115	Yellow, gray, and white flint
140	Hard gray and white flint
150	Hard gray and yellow flint
160	Hard gray flint
165	Hard white flint
176	Hard gray flint

SHELTON MINING CO., INC.

Farmer Lease

Hole No. D-6

Contractor: Fountain Drilling Co. Driller: Percy Howey
Started: 1-3152 Completed: 1-11-52
Casing: 117 ft. 6 in.
Size of hole: 117 ft. 8 in. - 191 ft. 6 in.
Water: Encountered at 55 ft., stands at 12 ft.

0 -	20	Yellow soil and clay
	35	Gray shale
	50	Black shale
	55	Black shale, mundic
	60	Soft gray and white flint, mundic
	75	Gray and white lime and flint, mundic
	85	Soft gray lime and flint, mundic and selvage
	90	Soft gray lime and flint
	95	Soft gray lime, selvage
	115	Soft gray flint
	135	Hard gray and white flint, mundic
	150	Hard white and yellow flint, mundic
	160	Hard gray and white lime and flint, mundic
	170	Hard gray and white flint, mundic, traces od lead
	175	Hard brown and gray lime and flint
	185	Hard brown and white lime and flint
	191	Hard brown and gray lime and flint

SHELTON MINING CO., INC.

Weaver Land

Hole No. D-7

Contractor: Fountain Drilling Co. Driller: Percy Howey
Started; 1-15-52 Completed: 1-31-52
Casing: 115 ft. 6 in.
Sizes of hole: 115 ft. 3 in. - 275 ft. 6 in.
Water: Encountered at 45 ft., stands at 12 ft.

0 - 5	Yellow soil and clay
15	Sand rock. creek gravel, flint boulders
25	Gray shale
40	Black shale
44	Black shale, boulders, mundic
65	Gray lime and flint, mundic
80	Soft gray flint
90	Soft gray lime and flint
110	Soft gray and white flint, mundic, selvage
120	Soft gray and white flint, mundic
135	Hard gray flint
145	Hard white flint
160	Hard gray and white flint
165	Hard gray flint, traces of lead and zinc
167½	Soft gray and white flint, lead and zinc shines
170	Soft white flint, fair zinc, traces of lead
175	Soft white flint, traces of lead and zinc
185	Hard gray and brown flint, mundic
210	Hard gray and brown flint
220	Gray and brown flint
225	Dark gray flint
240	Brown and blue lime and flint
245	Brown and gray lime and flint
255	Gray lime and flint
260	Gray flint
265	Gray flint, traces of zinc
275	Gray flint

Assay by Bruce Williams Laboratories

	Zn	Pb
160.0-165.0	.64	.04
165.0-167.5	3.88	.67
167.5-170.0	3.56	.23
170.0-172.5	1.22	.05
12.5'	2.33	.25

SHELTON MINING CO., INC.

Earl Weaver Lease

Hole D-8
Started: 2/6/52 Completed: 2/13/52
Contractor: Fountain Drilling Co. Driller: Percy Howey
Casing record: 120' 6 in.
Sizes of Hole: 120 ' 8 in., 180' 6 in.
Water encountered: 45 ft.
Water stands: 12 ft.

0 - 15	Yellow soil & clay
25	Gray shale
45	Black shale
55	Gray soft flint, mundic
70	Gray soft lime & flint, mundic
85	Gray soft flint
90	Gray soft flint, selvage
95	Gray soft flint, mundic & selvage
110	Gray soft lime & flint
140	Gray & white flint, mundic
150	White flint, mundic
167½	White & gray flint, mundic
170	White & gray flint, traces lead & zinc
175	White & gray flint, lead shines & fair zinc
177½	White & gray flint, traces of lead & zinc
180	Gray & brown lime & flint

	Zinc	Lead
167½-170	0.96	0.13
170-172½	1.96	0.12
172½-175	0.96	0.03
175-177½	0.62	0.04

Assay by Bruce Williams Laboratories

SHELTON MINING CO., INC.

Earl Weaver Lease

Hole D-9
Started: 2/15/52 Completed: 3/12/52
Contractor: Fountain Drilling Co. Driller: Percy Howey
Casing Record: 60 ft 8 in. 85 ft. 6 in.
Sizes of Hole: 85 ft 8 in. 160 ft 6 in.
Water encountered: 37 ft.
Water stands at 15 ft.

0 - 15	Yellow soil and clay
37	Black shale
60	Soft gray lime & flint, mundic
85	Soft gray & white flint, mundic
95	Hard gray lime & flint, mundic
100	Hard gray & white flint, mundic
135	Hard gray lime & flint, mundic
145	Soft gray & yellow lime & flint, selvage & mundic
160	Soft gray & blue & yellow flint

SHELTON MINING CO., INC.

Earl Weaver Lease

Hole D-10
Started: 3/13/52 Completed: 3/28/52
Contractor: Fountain Drilling Co. Driller: Percy Howey
Casing Record: 50 ft. 8 in. 90 ft. 6 in.
Sizes of hole: 87 ft. 8 in. 216 ft. 6 in.
Water encountered: 44 ft.
Water stands at 12 ft.

0 - 10	Soil & clay
30	Black shale, mundic
44	Blue shale, mundic
50	Gray flint, mundic
65	Soft gray & blue lime & flint, mundic
75	Soft gray & blue flint, mundic
80	Gray blue & white flint, mundic
85	Gray flint, mundic
90	Soft brown & gray flint, brown selvage
95	Gray & white lime & flint
100	Gray & yellow lime & flint
105	Gray & white lime & flint
125	Gray lime & flint
130	Brown, gray & white lime & flint
135	Hard gray & white flint
145	Hard gray lime & flint
175	Hard gray lime & flint, selvage
180	Gray & white lime & flint, selvage
190	Gray & white & brown flint
195	Gray & white lime & flint
210	Brown gray & white flint
216	Gray flint

SHELTON MINING CO., INC.

Hole No. D-11

Earl Weaver Land

Contractor: Fountain Drilling Co. Driller: Percy Howey
Started: 4-1-52 Completed: 4-11-52
Casing Record: 56 ft. 8 in. - 93 ft. 6 in.
Sizes of hole: 93 ft. 8 in. -206 ft. 6 in.
Wated encountered: 60 ft.
Water Stands: 10 ft.

0 - 10	Soil & clay
15	Black shale
25	Shale & creek gravel; mundic
45	Gray shale; mundic
60	Blue shale; mundic
70	Gray soft lime & flint; mundic
85	Gray & white soft flint; mundic
95	Gray, white & blue flint; mundic
115	Gray & white flint
125	Gray & white lime & flint
150	Hard gray & white flint
160	Brown & gray flint
175	Gray flint; traces of zinc
180	Gray & blue flint
185	Gray & white flint; mundic
195	White & brown flint; mundic
200	Gray & white flint
206	White & dark gray flint

SHELTON MINING COMPANY, INCORPORATED

Earl Weaver Lease

Hole D-12

Started: 4-17-52 Completed: 5-5-1952
Contractor: Fountain Drilling Co. Driller: Percy Howey
Casing: 75' - 8"; 125' - 6"; 185' - 4 7/8"
Water: Encountered at 65'; stands at 12'

0 - 10	Soil and clay		
10 - 25	Black shale		
25 - 35	Lime; gray and black shale		
35 - 55	Gray shale		
55 - 65	Black shale	mundic;	
65 - 70	Lime; gray and white flint; soft;	mundic;	
70 - 90	Gray and white flint; "	"	
90 - 100	Lime; gray flint; "	"	
100 - 145	Gray and white flint; "	"	
145 - 155	Lime; gray and blue flint; "	"	
155 - 165	Gray and white flint; "	"	
165 - 175	Gray flint;	"	zinc shines
175 - 177½	Gray and white flint; "	"	
177½ - 180	Lime; brown and gray flint; hard		
180 - 185	Gray flint; "		

SHELTON MINING CO.? INC.

Earl Weaver Lease

Hole D-13

Started ~~kx~~ 8-26-1952 Completed 9-16-1952
Contractor. Fountain Drilling Co. Driller. Arnold Johnson
Casing Record. 86'-8" Casing. 139½'- 6¼" Casing. 159'-4 7/8 Casing.
Sizes of Hole. Same as above.
Water encountered at 70'.
Water stands at 20 '.

0 - 5	Surface soil and clay
5 - 10	Creek gravel and clay
10 - 20	Light shale and Mundic
20 -25	Dark shale and "
25 - 55	Light shale "
55 -70	Blue shale. gravel and mundic
70 -105	gray and white flint mundic Caving ground
105 -140	gray, white and blue flint some lime mundic caving ground
140 -160	gray white and blue flint mundic, soft and caving
160 - 170	gray white and blue flint. hard.
170 -175	gray lime, gray and white flint. Hard.
175 -180	gray and white flint. Soft and caving. Mundic.

SHELTON MINING COMPANY, INCORPORATED

Earl Weaver Lease

Hole D-14

Started: 9-23-52 Completed: 9-24-52
Contractor: Fountain Drilling Co. Driller: Arnold Johnson
No Casing used
Size of hole: 8"
Water encountered: 70'
Water stands: 20'

0 - 5	Surface soil and clay
5 - 10	Creek gravel and clay
10 - 20	Light shale, Mundic
20 - 25	Dark shale "
25 - 55	Light shale "
55 - 70	Blue shale, gravel, and mundic
70 - 75	Gray, white, and blue flint; gray lime; caving

SHELTON MINING CO., INC.

Earl Weaver Lease

Hole D-15

Started: 9-30-52; Completed 10-7-52
Contractor: Fountain Drilling Co. Driller: Arnold Johnson
Casing: 131' 6½"
Size of Hole: 10" to 85', 8" to 131'
Water: Encountered at 50', stands at 20'

0 - 5	Surface soil and clay
15	Clay and gravel
40	Light shale, mundic
50	Blue shale, mundic
80	Gray lime and flint, caving, mundic
120	Gray and white flint, caving, mundic
140	Brown lime, gray and white flint, mundic, hard
145	Brown lime, blue and white flint, mundic
167½	Brown lime; gray, brown, blue and white flint, mundic
172½	Gray and white ~~lime~~ flint, gray lime, mundic
177½	Gray and white flint, gray and brown lime, mundic
185	Brown lime; gray white and brown flint, mundic
195	Gray and white flint, brown lime, mundic

SHELTON MINING CO., INC.

Earl Weaver Lease

Hole D-16

Started: 10-8-52 Completed: 10-13-52
Contractor: Fountain Drilling Co. Driller: Arnold Johnson
Casing: 50ft. 8 in., 95 ft. 6⅝ in.
Water: Encountered at 38 ft., stands at 20 ft.

0 -	10	Surface soil and yellow clay
	20	Light shale, mundic
	38	Dark shale, mundic
	60	Soft gray lime and flint, mundic
	100	Soft gray flint, mundic
	105	Brown lime, gray flint, boulders, mud, mundic

SHELDON MINING CO., INC.

Farmer Land

Hole S-2

Started: 6-8-42 Completed: 7-6-42

Water: Encountered at 15 ft., stands at 10 ft.

0 - 15	Soil
20	Gravel
35	Gray shale
45	Blue Shale
55	Black shale and flint
70	Brown flint, medium hard
90	Gray flint, medium hard
100	White flint, medium hard
115	Gray flint, shelly
120	Brown flint, medium hard
152	Gray flint, medium hard
161	Gray flint, medium hard, traces of zinc
166	Gray flint, soft, good zinc
169	Gray flint, soft, good zinc
175	Brown flint, hard, traces of zinc
180	Gray flint, shelly, traces of zinc
190	Brown lime, medium hard
200	Gray flint, medium hard
220	Brown flint, hard
230	Gray lime (50%), blue flint, soft
235	Brown lime, medium hard
252	Brown and gray flint, hard

Assay

161-166	4.47 Zn
166-169	1.29 "
8'	3.38 Zn

SHELTON MINING COMPANY, INC.

Farmer Lease

Hole S-3

Started: 7-7-42 Completed: 7-20-42

Water: Encountered at 20 ft., stands at 15 ft.

0 - 15 Soil and Clay
20 Creek gravel
50 Blue soapstone, mundic
70 Gray flint
80 Hard gray flint
100 Shelly flint
135 Hard gray flint
140 Hard gray flint
155 Hard gray flint
175 Gray flint
180 Gray and brown flint, gray lime (10%), fair shines

Assay	Zn	Pb
155 - 157½	1.65	.02
160	1.02	.03
162½	1.50	.18
165	1.23	.12
167½	2.10	.14
170	1.92	.06
172½	1.59	.03
175	1.50	.05
20.0'	1.56	.08

SHELTON MINING CO., INC.
Farmer Lease

Hole S-7

Started: 7-2-43 Completed: 7-6-43
Driller: Shouse
Water: Encountered ? , Stands at 10 ft.

0 -	4	Tailings
	20	Soil, clay
	22½	Gravel and water
	25	Gravel, gray lime boulders
	40	Gray shale, mundic
	52½	Blue shale, mundic
	60	Gray flint, lime boulders, mundic
	80	Gray white flint, some gray lime, mundic
	100	Gray light blue flint
	115	White gray flint, shelly
	120	Dark gray, brown, white flint, gray lime, shelly
	135	Light blue, gray and some brown flint, shelly
	145	Glassy gray white flint
	150	White and gray flint, mundic, thin traces of zinc
152½ -	155	White, gray and brown flint, mundic, zinc shines
	157½	White, gray and brown flint, good zinc shines, thin traces of lead, mundic
	160	White, gray and brown flint, good zinc traces of lead, mundic
	162½	White, gray and brown flint, good zinc shines, thin traces of lead, mundic
165 -	167½	White and gray flint, gray lime, good zinc shines, mundic
	170	White and gray flint, extra good zinc, fair lead shines, mundic
	172½	White, gray and light brown flint, good zinc shines, mundic
	175	Gray lime, gray flint, zinc trace, mundic

Assay	Zn	Pb
155 - 157½	.56	
157½ - 160	1.36	
160 - 162½	.66	
162½ - 165	1.10	
165 - 167½	.48	.17
167½ - 170	4.40	.57
170 - 172½	1.52	.13
17.5'	1.44	.12

SHELTON MINING CO., INC.

Farmer Lease

Hole S-8

Started: 7-7-43 Completed: 7-13-43
Driller: Shouse
Water: Encountered at ? , stands at 12 ft.

0 - 15 Soil, clay
20 Gravel, shale gray lime, mundic
35 Gray shale, mundic
50 Blue shale, mundic
70 Gray lime, white flint, shelly, mundic
90 Dark gray, light gray, and brown flint
95 Gray, light blue and some brown flint
110 Shelly dark and light gray flint, sandy lime, green selvage
130 Dark gray, white, and light blue flint
140 Gray, white, and brown flint
145 White, gray, and brown flint, tiff, mundic
150 Brown, gray, and white flint, sandy lime, few zinc shines
152½ Brown, gray, and white flint, sandy lime, few lead shines, traces of zinc
155 Lost cuttings (Opening 154 - 155)
157½ Gray and white flint
160 Gray and brown flint, some brown lime
165 Brown lime, gray flint
168 Gray flint, good zinc
171 Dark gray lime

Assay	Zn	Pb
165 -168	6.80	1.10

By Bruce Williams Laboratories

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

Joplin, Missouri
May 11, 1953

Department of the Interior
Defense Minerals Administration
RECEIVED
MAY 13 1953

Mr. Ray C. Jonas
U. S. Bureau of Mines
814 Barfield Building
Amarillo, Texas

Re: Docket No. DMA-1088X(Lead-Zinc)
Contract No. Idm-E122
Shelton Mining Co.
Webb City, Missouri

Dear Ray:

Attached herewith is your copy of "Certification of Discovery" for the subject project contract received by this office today.

The Field Team's Final Report of the subject project was submitted to Washington on April 10, 1953. It is understood that the Operator is preparing his Final Report.

The Operator will claim no additional Government participation payments since the October, 1952 monthly report which you approved on December 1, 1952.

Very truly yours,

Clinton C. Knox
Mining Engineer

CCK:jd
Enc.

cc - Operating Committee

FILE COPY
SURNAME:

500

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

MAY 7 1953

Mr. J. G. Shelton
Shelton Mining Co., Inc.
Webb City, Missouri

Re: Docket No. DMA-1088 (Zinc-Lead)
Shelton Mining Company Leases
Jasper County, Missouri
Contract No. Idm-E122

Dear Mr. Shelton:

Transmitted herewith is a "Certificate of Discovery or Development" related to the Contract No. Idm-E122 on the subject mine.

By the terms of the Exploration Project Contract and of the Certification, all production from the property described in the contract, after August 21, 1951, the date of the contract, is subject to the Government's percentage royalty as set forth in the said contract until such sums as the Government may advance as its participating interest have been repaid or until August 21, 1961.

Payments should be made to Mr. W. P. Williams, Executive Officer, DMPA Field Team, Region VI, 221 West 3rd Street, Joplin, Missouri. Checks should be drawn in favor of the Treasurer of the United States. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the checks to the Executive Officer.

Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser and the price and charges, certified to be correct by the purchaser.

You are requested to notify Mr. Williams of any changes in ownership or production rights that might affect the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period, please notify Mr. Williams at six-month intervals that such is the case.

WRGriswold/hmj (4/24/53)
CC to: Docket
Cont. Admin. & Audit Div.
Region VI (2)
Russell Forbes, Act. Adm. DMPA
Adm. R. File
Op. Committee
Mr. Hedges, Rm 4604
Mr. Thayer, 5216 GSA Bldg.
Mr. F. E. Johnson
Mr. W. R. Griswold

Enclosure

Sincerely yours,

C. O. Mittendorf

Administrator

5-7-53

FILE COPY
SURNAME: 500

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

rewritten 5/4/53

GRISWOLD
AEKane
Rubin
Chambers
Hedges
Lynkill
Schwabe
Yeamans

MAY 7 1953

Mr. Russell Forbes, Acting Administrator
Defense Materials Procurement Agency
General Services Administration Building
Washington 25, D. C.

Re: Docket No. MA-1088 (Zinc-Lead)
Shelton Mining Co., Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Contract No. Idm-5122

My dear Mr. Forbes:

Enclosed is one copy each of a "Certification of Discovery or Development" related to Exploration Project Contract No. Idm-5122 and of a final report by the Field Team.

The contract was dated August 21, 1951, with the Government participating to the extent of 50 percent in an exploration project estimated to cost $14,000.00. Of such amount $6,661.00 had been expended when the project was terminated, the Government's share being $3,330.50.

The total program of work done on the project consisted of 15 churn drill holes with a total length of 2,760 feet.

The discovery may be described as submarginal zinc-lead ores occurring in a mineralized area known locally as a "sheet-ground deposit". It is estimated that there are 56,000 tons of such submarginal ore which has been partially delinited, with content of 1.30 percent zinc and 0.18 percent lead.

WRGriswold/hmj
(5/4/53)

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

CC to: Docket
Adm. R. File
Cont. Admin & Audit Div.
Region VI (2)
Base Metals Division
Op. Committee
Enclosures Mr. Hedges, Rm. 4604
Mr. Thayer, Rm 5216
Mr. Griswold
Chron.

5-7-53

FILE COPY
SURNAME:

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

Mr. Russell Forbes, Acting Administrator
Defense Materials Procurement Agency
General Services Administration Building
Washington 25, D. C.

Re: Docket No. DMA-1088 (Zinc-Lead)
Shelton Mining Company
Shelton Mining Company Leases
Jasper County, Missouri
Contract No. Idm-E122

My dear Mr. Forbes:

Enclosed is one copy each of a "Certification of Discovery or Development" related to Exploration Project Contract No. Idm-E122 and of a final report by the Field Team.

The contract was dated August 21, 1951, with the Government participating to the extent of 50 per cent in an exploration project estimated to cost $14,000.00. Of such amount $6,661.00 had been expended when the project was terminated, the Government's share being $3,330.50.

The total program of work done on the project consisted of 15 churn drill holes with a total length of 2,760 feet.

The discovery may be described as zinc-lead ores occurring in a mineralized area known locally as a "sheet-ground deposit". It is estimated that there are 56,600 tons of indicated ore with content of 1.30 per cent zinc and 0.14 per cent lead.

Sincerely yours,

~~C. O. Mittendorf~~

Administrator

WRGriswold/hmj
(4/24/53)
CC to: Docket
Cont. Admin. & Audit Div.
Region VII(2)
Base Metals Division
Adm. R. File
Enclosure Op. Committee
Mr. Hedges, Rm 4604
Mr. Thayer, Rm 5216
Mr. Griswold
Mr. Murkland
Chron.

FILE COPY
SURNAME:
500

Griswold
AEKane
Rubin
Chambers
Selfridge

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

Rewritten 5/4/53

Memorandum MAY 7 1953

To: The Administrator

From: Chief, Base Metals Division

Subject: Certification of Discovery or Development (Zinc-Lead)
Shelton Mining Co., Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Docket No. DMA 1088, Contract Idm-E122

The exploration project contract was dated August 21, 1951, with a total estimated cost of $14,000.00. The planned work program provided for 30 churn drill holes, with a total length of 5,700 feet.

The Operator actually completed 15 holes with a total length of 2,760 feet before discontinuing work in October 1952, without authority of the Government. Due to such non-compliance with the contract the Government terminated the contract on February 24, 1953. Total contract expenditures were $6,661.00, with the Government's share $3,330.50.

The churn drilling which was done showed the existence of a mineralized area (known locally as a sheet-ground deposit) containing 56,000 tons of submarginal ore with an estimated grade of 1.30 percent zinc and 0.18 percent lead.

W. R. Griswold

W. R. Griswold

Attachments
WRGriswold/hmj
5/4/53
CC to: Docket
Admr. R. File
Base Metals Division
Op. Committee
Mr. Griswold
Mr. Chambers
Chron.

FILE COPY
SURNAME: 500

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

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Certification of Discovery or Development (Zinc-Lead)
Shelton Mining Co., Inc.
Shelton Mining Company Leases
Jasper County, Missouri
Docket No. DMA 1088, Contract Idm-1122

The exploration project contract was dated August 21, 1951, with a total estimated cost of $14,000.00. The planned work program provided for 30 churn drill holes, with a total length of 5,700 feet.

The Operator actually completed 15 holes with a total length of 2,760 feet before discontinuing work in October 1952, without authority of the Government. Due to such non-compliance with the contract the Government terminated the contract on February 24, 1953. Total contract expenditures were $6,661.00, with the Government's share $3,330.50.

The churn drilling which was done showed the existence of a mineralized area (known locally as a sheet-ground deposit) containing 56,600 tons of ore with an estimated grade of 1.30 per cent zinc and 0.14 per cent lead.

WRGriswold/hmj
(4/24/53)
CC to: Docket
Admr. R. File
Base Metals Division
Mr. Griswold
Mr. Hedges
Mr. Thayer
Region VI (2)
Mr. Chambers
Chron.

W. R. Griswold

Attachments

CLASS OF SERVICE

This is a full-rate Telegram or Cablegram unless its deferred character is indicated by a suitable symbol above or preceding the address.

WESTERN UNION

1201

W. P. MARSHALL, PRESIDENT

SYMBOLS

DL=Day Letter

NL=Night Letter

LT=Int'l Letter Telegram

VLT=Int'l Victory Ltr.

1 21 1953 P. MAY

The filing time shown in the date line on telegrams and day letters is STANDARD TIME at point of origin. Time of receipt is STANDARD TIME at point of destination

AM 10 22

WP017 GOVT PD=JOPLIN MO 1 859A=

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 1 1953

:G C SELFRIDGE, CHAIRMAN OPERATING COMMITTEE=
:DEFENSE MINERALS EXPLORATION ADM

:TERMINATION PROJECT CONTRACT IDM-E122 SENT TO SHELTON MINING CO. REGISTERED MAIL FEBRUARY 24. RETURN RECEIPT RECEIVED FEBRUARY 27. WILLIAMS IS IN ROVE'S OFFICE THERE TODAY=

:CLINTON C KNOX=

:IDM-E122 24 27=

THE COMPANY WILL APPRECIATE SUGGESTIONS FROM ITS PATRONS CONCERNING ITS SERVICE

MAY 1 11 35 AM '53
BUREAU OF M S
MAIL ROO
WASHINGTON,

APR 31 10 28 AM '53
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.

FILE COPY
SURNAME:

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

Selfridge
Inform

500

J. C. 4/30/53

Base Metals, DMEA

WRGriswold/bjl
3669 2616

April 30, 1953

William P. Williams, Executive Officer, DMEA Field Team, Region VI, Joplin, Missouri

Certification has been prepared for Shelton Mining Company, Docket No. DMEA-1086, Contract No. Idn-[illegible], but is held pending until we are sure termination notice has been sent by you. Please advise by teletype.

C. C. Selfridge, Chairman
Operating Committee, DMEA

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kinkel
Accounts
Chron.

FILE COPY
SURNAME:

140

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

Rubin
Hofflund
Griswold
Selfridge
Thayer
Mattingly

Mr. William P. Williams, Executive Officer
DMEA Field Team, Region VI
221 West 3rd Street
Joplin, Missouri

APR 14 1953

Re: Docket No. DMA-1088X (Lead-Zinc)
Shelton Mining Company
Webb City, Missouri
Contract No. Idm-E122

R. C. 4/14/53

Dear Mr. Williams:

This responds to your letter dated March 31 to the Operating Committee concerning the issuance of a termination notice under the above-described contract.

As this contract was executed on an old form (MF-200, June 1951) we overlooked the fact that Exhibit "A" of the contract provided for only three items of cost, each on an agreed unit cost basis, and provided further that no other costs are allowable under the contract. Thus, your conclusions concerning the last two paragraphs of the termination notice we sent to you are correct and they should be deleted from the notice.

Sincerely yours,

George C. Selfridge (GHB)

Chairman, Operating Committee

HCRubin/ema/4-9-53

cc: Mails & Files
Adm. R. File
Op. Comm.
Mr. Thayer
Mr. Hedges
Mr. Griswold
J. L. Hofflund
H. C. Rubin
Chron.
Pending

APPROVED:

J. H. Hedges (GHB)
Member, Bureau of Mines

A. R. Kinkel, Jr. (GHB)
Member, Geological Survey

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
April 10, 1953

Re: Docket No. DMA-1088X
Lead-Zinc
Shelton Mining Co.
Contract No. Idm-E122

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 13 1953

Memorandum

To: Operating Committee

From: Field Team, Region VI

Transmitted herewith is a final report prepared by Edwin T. Perkins, Mining Engineer, U. S. Bureau of Mines on the above referenced project.

I wish to point out that this report recommends that a Certificate of Discovery be issued on the project in spite of the fact that the ore discovered is not of commercial grade at present metal prices and mining costs.

W. P. Williams
W. P. Williams
Executive Officer

WPW:jd
Encs.

See division docket for report

DMA OPERATING COMMITTEE
4-17-53
(date)

FINAL REP

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

~~WASHINGTON 25, D.C.~~
Joplin, Missouri
April 10, 1953

APR 13 1953

Memorandum

To: W. P. Williams, Executive Officer, Field Team, Region VI

From: E. T. Perkins, Mining Engineer

Subject: Final Report of Field Team on Shelton Mining Co. Exploration Project - DMA Docket No. 1088X - Contract Idm-E122 Final Field Team inspection on February 18, 1953

Summary, Conclusions and Recommendations:

The Shelton Mining Company, J. G. Shelton, Manager, Webb City, Missouri, conducted the subject exploration project on the Weaver lease in the SW¼,NE¼ Sec. 18, T. 29 N., R. 32 W., Jasper County, Missouri. It is one mile west from Purcell, or ten miles north and three miles east from Joplin. Under the subject contract, the Operator had undertaken to explore the possible extension of an ore deposit beyond the limits of the abandoned workings of the old Virginia Mine, with the hope that some reserves of zinc and lead ore could be contributed to the Defense program.

The 50/50 project contract with the Shelton Mining Company, dated August 21, 1953, called for churn drilling 30 holes at an overall cost not to exceed $14,000.00, one-half of which, or $7,000.00, was to be paid by the Government.

Under the contract 15 holes totaling 2,760½ feet at a total cost of $6,661.00 had been completed, when drilling was discontinued October 13, 1952. The contract expired February 21, 1953. The results of this drilling, together with that of the drilling done in 1942 indicate a marginal deposit of 56,600 rock tons from which 980 tons of 60 percent zinc concentrate and 110 tons of 80 percent lead concentrate may be recoverable under very favorable price conditions.

The results of this exploration project show a reserve of 56,600 tons of ore, which is too small an amount to warrant starting mining operations. The ore is low grade, and the thickness of the ore-bearing strata would not permit carrying a heading high enough for economical operations.

As a precautionary measure, a certificate of "Discovery" is recommended. However, until additional reserves of a higher grade are developed, the operation of the property will not be profitable.

Reviewed by
DMEA OPERATIONS COMMITTEE
4-17-53
(date)

Location and accessibility:

The area under consideration is leased land in Sec. 18, T. 29 N., R. 30 W., and can be easily reached over black-topped and graveled roads. The Drilling was done in a wide, gently sloping valley, which drains northeast into Spring River 1/2 mile distant and which at flood conditions is only slightly lower than the area under consideration.

History and Production:

The acreage leased to the Shelton Mining Company, by the several land owners, totals 210 acres, all in Sec. 18, T. 29 N., R. 32 W. However, the drilling was confined to the SW$\frac{1}{4}$-NE$\frac{1}{4}$ and the E$\frac{1}{2}$-NW$\frac{1}{4}$-SE$\frac{1}{4}$ of that section. The old Virginia Mine, located in the SW$\frac{1}{4}$-NE$\frac{1}{4}$ of Sec. 18 was operated and produced zinc and lead ore at an early period. After several years of inactivity, the mine was last operated during the latter months of the year 1912. Production records are not available, but it is estimated that 76,000 tons of ore was produced over the entire period of operation. During the early part of the work, several holes had been churn drilled, but no records are available. Of ten holes drilled during the period from June, 1942 to January, 1943, four holes indicated zinc and lead ore.

Cross-sections of these holes and those drilled under the subject project contract show the thickness of the Cherokee shale to be fairly uniform, and extending on an average of 50 feet below the surface. The level of the ore-bearing strata is also fairly uniform. The ore minerals are sphalerite and galena occurring in gray and white chert as a flat lying formation in the "M" bed of the Boone Formation.

Development:

The mining operation of the old Virginia Mine was carried on through a centrally located shaft and the mined area covers slightly less than two acres. A second shaft was started about 200 feet northeast from the mill shaft, but was not completed. Both shafts are now badly caved and the ground is filled with water. From the records of both the earlier and the later drilling, the ore-bearing strata ranged on an average of from 10 to 11 feet in thickness and from this came the estimated 76,000 tons of ore. The mill was small and both jigs and tables were used, but all the buildings have long since been removed. The tailing pile has been almost entirely removed, but the small amount remaining shows that a very good ore-cleaning job had been done considering the type of mill.

Results of Exploration and Estimate of Reserves:

The cross-sections show all the holes of which there are available records. The drilling indicates a sheet-ground deposit and using the polygon method of calculating the indicated ore-bearing areas, it is estimated that there are 56,600 tons of indicated submarginal ore containing 735 tons of available zinc and 82 tons of lead.

There are 7,100 tons of inferred ore containing 1.76 percent zinc and 0.15 percent lead.

Edwin T. Perkins

E. T. Perkins
Mining Engineer

/jd

cc - Operating Committee(orig. & 3)
L. T. McElvenny (1)

TABLE 1

Shelton Mining Company
Purcell, Jasper County, Missouri

Holes previously drilled.

Hole No.	Collar Elevation	Depth: Total	Depth: Bottom of Shale	Ore Bearing Strata: From	Ore Bearing Strata: To	Percent: Zinc	Percent: Lead
S-1		70	65	-	-	None	-
S-2	898.2	252	55	161	166	4.47	-
				166	169	1.29	-
				169	175	Trace	-
				175	180	Trace	-
S-3	899	180	50	155	157½	1.10	0.017
				157½	160	0.68	0.026
				160	162½	1.00	0.158
				162½	165	0.82	0.105
				165	167½	1.40	0.123
				167½	170	1.28	0.05
				170	172½	1.06	0.026
				172½	175	1.00	0.044
S-4	901	180	55	170	175	Shines	Trace
S-5		168	-	None	-	-	-
S-6		163	45	152½	155	0.26	-
S-7	901	175	52½	150	155	Shines	-
				155	157½	0.56	-
				157½	160	1.36	-
				160	162½	0.66	-
				162½	165	1.10	-
				165	167½	0.48	0.17
				167½	170	4.40	0.57
				170	172½	1.52	0.13
S-8	896.5	171	50	165	168	6.80	1.10
S-9		180	50	None	-	-	-
S-10	902	182	50	None	-	-	-
S-11	No record						

TABLE 2

Shelton Mining Company
Purcell, Jasper County, Missouri

Churn drilling involved in
DMA Docket No. 1088X Contract Idm-E122

Hole No.	Collar Elevation	Depth		Ore Bearing Strata		Percent	
		Total	Bottom of Shale	From	To	Zinc	Lead
D-1	898.6	177½	51	162½	165	0.88	0.11
				165	167½	0.96	0.08
				167½	170	0.38	0.02
				170	172½	1.00	0.03
				172½	175	0.78	0.04
D-2	898.6	180	40	160	165	3.20	0.78
				165	167½	0.84	0.19
				167½	170	1.12	0.15
D-3	899.6	173	40	-	-	None	-
D-4	901	191	50	-	-	None	-
D-5	901	176	50	-	-	None	-
D-6	900	191	55	160	170	Trace	Trace
D-7	902	275	44	160	165	0.64	0.04
				165	167½	3.88	0.67
				167½	170	3.56	0.23
				170	172½	1.22	0.06
D-8	903	180	45	167½	170	0.95	0.13
				170	172½	1.96	0.12
				172½	175	0.96	0.03
				175	177½	0.62	0.04
D-9	907	160	37	-	-	None	-
D-10	907	216	44	-	-	None	-
D-11	903	206	60	170	175	Trace	-
D-12	902	185	65	165	175	Shine	-
D-13	904	180	55	-	-	None	-
D-14	905	75	70	-	-	None	-
D-15	902	195	50	-	-	None	-
D-16	903	105	-	-	-	None	-
		2865½					

TABLE 3

Indicated Ore

Area	Sq.Ft.	Ht.	Cu.Ft.	Assay Zn	Assay Pb	Tons Rock	Tons Zn	Tons Pb
D-1	8,062	12.5	100,781	.80	.06	8,062	64.50	4.84
D-2	5,625	10.	56,250	2.18	.47	4,500	98.10	21.15
S-2	5,500	7.	38,500	2.07	-	3,080	63.76	-
S-7	7,250	15.	108,750	1.06	.15	8,700	92.22	13.05
S-8	7,125	3.	21,375	4.54	1.10	1,710	77.63	18.70
S-3	18,125	20.	362,500	1.04	.08	29,000	301.60	23.20
D-7	4,375	12.5	54,687	1.99	.21	4,375	80.06	9.19
D-8	4,375	10.	43,750	1.12	.08	3,500	39.20	2.80
	Total					62,927	817.07	91.93

TABLE 4

Inferred Ore

Area	Sq.Ft.	Ht.	Cu.Ft.	Assay Zn	Assay Pb	Tons Rock	Tons Zn	Tons Pb
'A'	12,125	9.	99,125	1.76	.15	7,930	139.57	11.90

IDM-E122 CHURN DRILL HOLE LOG
SW¼-NE¼ Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-1

Coordinates: 355 N. 403W
Started: 9/27/51
Struck water 10 feet
8" Casing 18 feet

Elevation: 898.5
Completed: 10/8/51
Water stands 10 feet

TOTAL DEPTH - 177½ feet

Feet From	Feet To	Formation
0	5	Surface clay, gray, soft
5	18	Creek gravel
18	51	Shale, some mundic
51	55	Lime, gray, soft
55	58	Creek gravel
58	65	Creek gravel lime and white flint
65	75	Lime, white and brown flint
75	80	White and graf flint and mundic
80	85	White and gray flint and lime and mundic
85	90-	White and gray flint and mundic
90	95	White and blue flint and mundic
95	100	White and blue flint and mundic
100	115	White and gray flint and mundic
115	120	White and blue flint, lime and mundic
120	125	White and blue flint, tiff, lime and mundic
125	135	White and blue flint and mundic
135	140	White and gray flint, lime and mundic
140	150	White and gray flint, mundic and trace zinc
150	155	White and gray flint, sand, mundic, good zinc and lead shines
155	157½	White and gray flint and mundic, lead shines, and good zinc
157½	160	White and gray flint and mundic, good zinc and lead shines
160	162½	White and gray flint, mundic, trace zinc
162½	165	White and gray flint, fair zinc, trace lead
165	172½	White and blue flint, lots of mundic, good zinc, shines
167½	170	White and gray flint, gray lime, lots mundic, zinc shines
170	172½	White and brown flint, lime, mundic fair showing zinc
172½	175	White and brown flint, brown lime, mundic, fair zinc and lead shines
175	177½	White and brown flint, brown lime, mundic, trace zinc

ASSAY

From	To	Zinc	Lead
162½	165	0.88	0.11
165	167½	0.96	0.08
167½	170	1.00	0.03
170	172½	0.78	0.04

IDM-E122 CHURN DRILL HOLE LOG
SW¼-NE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-2

Coordinates: 287N 457W
Started: 10/18/51
Struck water: 20 feet
8" Casing 18 feet

Elevation: 898.6
Total depth: 180 feet
Completed: 10/31/51
Water stands: 20 feet
6¼" Casing 46 feet

Feet From	Feet To	Formation
0	10	Soil and clay
10	18	Creek gravel
18	40	Black shale, boulder and mundic
40	50	Blue and gray flint, soft
50	65	White flint and gray lime
65	70	Brown lime, white flint
70	85	Gray lime and gray flint, soft
85	95	Gray and brown flint and selvage
95	110	White and gray and blue flint, soft
110	125	Gray lime, gray and blue flint
125	130	Gray and light blue flint
130	150	Gray flint and mundic, hard
150	155	White and gray flint
155	160	Gray flint and mundic
160	165	Gray flint, soft, fair zinc and fair lead
165	167½	Gray flint, mundic, traces of zinc
167½	170	Gray flint, mundic, thin traces of zinc
170	172½	Gray and brown flint, thin traces of zinc
172½	176	Gray and brown flint
176	180	Gray and brown flint

ASSAY

From	To	Zinc	Lead
160	165	3.20	0.78
165	167½	0.84	0.19
167½	170	1.12	0.15

IDM-E122 CHURN DRILL HOLE LOG
SW¼-NE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-3

Coordinates: 302N 492W
Started: 11/31/51
Struck water 25 feet
8" Casing 90 feet

Elevation: 899.6
Total Depth: 173
Completed 11/30/51
Water stands 10 feet
6¼ Casing 175 feet

Feet From	Feet To	Formation
0	15	Soil and clay
15	23	Creek gravel
23	40	Black shale, mundic
40	55	Gray, soft lime and flint, mundic
55	75	Gray soft flint
75	85	Gray and white soft flint
85	105	White and gray lime and flint, mundic
105	115	White and gray hard lime and flint
115	120	White and gray hard lime and flint
120	145	White and gray hard flint
145	150	White hard flint, mundic
150	167½	Gray hard flint
167½	173	Gray hard flint and lime

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
SW¼-NE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-4

Coordinates: 152N 727W
Started: 12/3/51
Struck water 35 feet
8" casing none

Elevation: 901
Total depth: 191 feet
Completed 12/14/51
Water stands 10 feet
6¼ Casing none

Feet From	Feet To	Formation
0	10	Soil and clay
10	20	Black shale
20	30	Black shale, some creek gravel
30	40	Gray shale
40	50	Black shale, mundic
50	65	Lime and flint, gray, soft, mundic
65	80	Gray soft lime and flint
80	100	Soft gray flint
100	150	Hard gray and white flint
150	155	Gray and brown hard flint
155	165	Hard gray and brown flint, green selvage
165	185	Hard gray lime
185	191	Soft gray and yellow flint

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
SW$\frac{1}{4}$-NE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-5

Coordinates: 110E 254W
Started: 12/19/51
Struck water 50 feet
8" casing none

Elevation: 901
Total Depth: 176 feet
Completed: 12/21/51
Water stands 12 feet
6$\frac{1}{4}$ Casing 110 feet

Feet From	Feet To	Formation
0	5	Soil and clay
5	20	Yellow clay
20	35	Black shale
35	45	Gray shale
45	50	Black shale and mundic
50	55	Gray lime and flint and mundic
55	100	Soft gray flint
100	110	Gray and white flint
110	115	Yellow, gray and white flint
115	140	Gray and white flint, hard
140	150	Gray and yellow flint, hard
150	160	Gray flint, hard
160	165	White flint hard
165	176	Gray flint, hard

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
SW¼-NE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-6

Coordinates: 110N 385W
Started: 1/3/52
Struck water: 55 feet
8" casing none

Elevation: 900
Total depth: 191 feet
Completed: 1/11/52
Water stands: 12 feet
6¼ casing 117 feet

Feet From	Feet To	Formation
0	20	Yellow soil and clay
20	35	Gray shale
35	50	Black shale
50	55	Black shale, mundic
55	60	Soft gray and white flint, mundic
60	75	Soft gray and white lime and flint, mundic
75	85	Soft lime and flint, gray - mundic and selvage
85	90	Soft gray lime and flint
90	95	Soft gray flint, selvage
95	115	Soft gray flint
115	135	Hard gray and white flint, mundic
135	150	Hard white and yellow flint, mundic
150	160	Hard gray and white lime and flint, mundic
160	170	Hard gray and white flint mundic, trace of lead
170	175	Hard brown and gray lime and flint
175	185	Hard brown and white lime and flint
185	191	Hard brown and gray lime and flint

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
NW¼-SE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-7

Coordinates: 55S 288W
Started: 1/15/52
Struck water: 45 feet
8" Casing - none

Elevation: 902
Total Depth: 275 feet
Completed: 1/31/52
Water stands: 12 feet
6¼" Casing 115 feet

Feet From	Feet To	Formation
0	5	Yellow soil and clay
5	15	Creek gravel, flint boulders
15	25	Gray shale
25	40	Black shale
40	44	Black shale and boulders, mundic
44	65	Gray lime and flint, mundic
65	80	Soft gray flint
80	90	Soft gray lime and flint
90	110	Soft gray and white flint, mundic and selvage
110	120	Soft gray and white flint mundic
120	135	Hard gray flint
135	145	Hard white flint
145	160	Hard gray and white flint
160	165	Hard gray flint, traces of zinc and lead
165	167½	Soft gray and white flint, zinc and lead shines
167½	170	Soft white flint, fair zinc, trace of lead
170	175	Soft white flint, traces of zinc and lead
175	185	Hard gray and brown flint mundic
185	210	Hard gray and brown flint
210	220	Gray and brown flint
220	225	Dark gray flint
225	240	Brown and blue lime and flint
240	245	Brown and gray lime and flint
245	255	Gray lime and flint
255	260	Gray flint
260	265	Gray flint, traces of zinc
265	275	Gray flint

ASSAY

From	To	Zinc	Lead
160	165	0.64	0.04
165	167½	3.88	0.67
167½	170	3.56	0.23
170	172½	1.22	0.06

IDM-E122 CHURN DRILL HOLE LOG
NW¼-SE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-8

Coordinates: 153S 292W
Started: 2/6/52
Struck water: 45 feet
8" Casing none

Elevation: 903
Total Depth: 180
Completed: 2/13/52
Water stands: 12 feet
6¼ Casing 120 feet

Feet From	Feet To	Formation
0	15	Yellow soil and clay
15	25	Gray shale
25	45	Black shale
45	55	Gray soft flint, mundic
55	70	Gray soft lime and flint mundic
70	85	Gray soft flint
85	90	Gray soft flint, selvage
90	95	Gray soft flint, mundic and selvage
95	110	Gray soft lime and flint
110	140	Gray and white flint, mundic
140	150	White flint, mundic
150	167½	White and gray flint, mundic
167½	170	White and gray flint traces zinc and lead
170	175	White and gray flint, fair zinc, lead shines
175	177½	White and gray flint, traces zinc and lead
177½	180	Gray and brown lime and flint

ASSAY

From	To	Zinc	Lead
167½	170	0.95	0.15
170	172½	1.96	0.12
172½	175	0.96	0.03
175	177½	0.62	0.004

IDM-E122 CHURN DRILL HOLE LOG
NW¼-SE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-9

Coordinates: 278S 273W
Started: 2/15/52
Struck water: 37
8" casing 60 feet

Elevation: 907
Total Depth: 160 feet
Completed: 3/12/52
Water stands: 15
6¼ Casing 85 feet

Feet From	Feet To	Formation
0	15	Yellow soil and clay
15	37	Black shale
37	60	Soft gray lime and flint, mundic
60	85	Soft gray and white flint, mundic
85	95	Hard gray lime and flint, mundic
95	100	Hard gray and white flint, mundic
100	135	Hard gray lime and flint, mundic
135	145	Soft gray and yellow lime and flint, selvage and mundic
145	160	Soft gray and blue and yellow flint

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
NW$\frac{1}{4}$-SE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-10

Coordinates: 278S 273W
Started: 3/13/52
Struck water: 44 feet
8" Casing 50 feet

Elevation: 907
Total Depth: 216
Completed: 3/28/52
Water stands: 12 feet
6$\frac{1}{4}$ Casing 90 feet

Feet From	Feet To	Formation
0	10	Soil and clay
10	30	Black shale, mundic
30	44	Blue shale, mundic
44	50	Gray flint, mundic
50	65	Soft gray and blue lime and flint, mundic
65	75	Soft gray and blue flint, mundic
75	80	Gray, blue and white flint, mundic
80	85	Gray flint mundic
85	90	Soft brown and gray flint, brown selvage
90	95	Gray and white lime and flint
95	100	Gray and yellow lime and flint
100	105	Gray and white lime and flint
105	125	Gray lime and flint
125	130	Brown, gray and white lime and flint
130	135	Hard gray and white flint
135	145	Hard gray lime and flint
145	175	Hard gray lime and flint, selvage
175	180	Gray and white lime and flint, selvage
180	190	Gray and white and brown flint
190	195	Brown and white lime and flint
195	210	Brown, gray and white flint
210	216	Gray flint

NO ASSAY

IDM-E122 CHURN DRILL HOLE LOG
NW$\frac{1}{4}$-SE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-11

Coordinates: 349S 370W
Started: 4/1/52
Struck water: 10 feet
8" Casing 56 feet

Elevation: 903.2
Total Depth: 206 feet
Completed: 4/11/52
Water stands: 10 feet
6$\frac{1}{4}$" Casing: 93 feet

Feet From	Feet To	Formation
0	10	Soil and clay
10	15	Black shale
15	25	Shale and creek gravel, mundic
25	45	Gray shale, mundic
45	60	Blue shale, mundic
60	70	Soft gray lime and flint, mundic
70	85	Gray and white soft flint, mundic
85	95	Gray, white and blue flint, mundic
95	115	Gray and white flint
115	125	Gray and white lime and flint
125	150	Hard gray and white flint
150	160	Brown and gray flint
160	175	Gray flint, trace of zinc
175	180	Gray and blue flint
180	185	Gray and white flint, mundic
185	195	White and brown flint, mundic
195	200	Gray and white flint
200	206	White and dark gray flint

IDM-E122 CHURN DRILL HOLE LOG
NW$\frac{1}{4}$-SE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-12

Coordinates: 289S 478W
Started: 4/17/52
Struck water 65 feet
8" casing 75 feet

Elevation: 902.3
Total Depth: 185 feet
Completed: 5/5/52
Water Stands: 12 feet
6$\frac{1}{4}$" Casing 168 feet
4 7/8 Casing 185

Feet From	Feet To	Formation
0	10	Soil and clay
10	25	Black shale
25	35	Lime, and gray and balck shale
35	55	Gray shale
55	65	Black shale, mundic
65	70	Lime and flint, gray and white soft, mundic
70	90	Soft gray and white flint, mundic
90	100	Lime and flint, gray soft, mundic
100	145	Flint, gray and white, soft, mundic
145	155	Lime and flint, gray and blue, soft mundic
155	165	Flint gray and white, soft, mundic
165	175	Flint, gray - zinc shines, soft
175	177$\frac{1}{2}$	Flint, gray and white soft, mundic
177$\frac{1}{2}$	180	Lime and flint, brown and gray, hard
180	185	Hard gray flint

IDM-E122 CHURN DRILL HOLE LOG
NW$\frac{1}{4}$-SE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W
Shelton Mining Company
Jasper County, Missouri

HOLE D-13

Coordinates: 270S 545W
Started: 8/26/52
Struck water: 20 feet
8" casing 86 feet

Elevation: 903.6
Total Depth: 180 feet
Completed: 9/16/52
Water stands: 70 feet
6$\frac{1}{4}$" Casing 139$\frac{1}{2}$ Feet
4 7/8" Casing 159 feet

Feet From	Feet To	Formation
0	5	Surface soil and clay
5	10	Creek gravel and clay
10	20	Light shale and mundic
20	25	Dark shale and mundic
25	55	Light shale and mundic
55	70	Blue shale, gravel and mundic
70	105	Gray and white flint, mundic, caving ground
105	140	Gray, white & blue flint, some lime, mundic, caving
140	160	Gray, white and blue flint, mundic, soft and caving
160	170	Gray, white and blue flint, hard
170	175	Gray lime, gray and white flint, hard
175	180	Gray and white flint, mundic, soft and caving

IDM-E122 CHURN DRILL HOLE LOG
NW$\frac{1}{4}$-SE$\frac{1}{4}$, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-14

Coordinates: 153S 640W
Started: 9/23/52
Struck water: 70 feet
8" Casing None

Elevation: 404.6
Total Depth: 75 feet
Completed: 9/24/53
Water Stands: 20 feet
6$\frac{1}{4}$" casing None

Feet From	Feet To	Formation
0	5	Surface soil and clay
5	10	Creek gravel and clay
10	20	Light shale, mundic
20	25	Dark shale, mundic
25	55	Light shale, mundic
55	70	Blue shale, gravel and mundic
70	75	Gray, white and blue flint, gray lime and caving

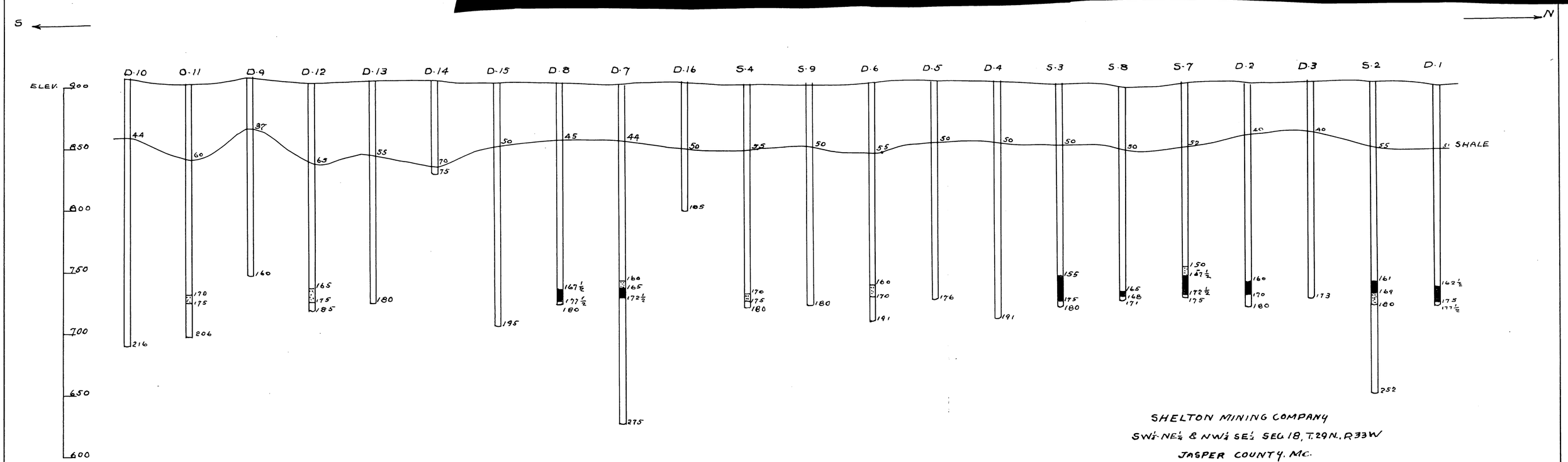
IDM-E122 CHURN DRILL HOLE LOG
NW¼-SE¼, Sec. 18, T. 29 N., R. 32 W.
Shelton Mining Company
Jasper County, Missouri

HOLE D-15

Coordinates: 149S 340W
Hole started: 9/30/52
Struck water: 50 feet
8" Casing None

Elevation: 901.7
Total depth: 195 feet
Completed: 10/7/52
Water Stands: 20 feet
6¼" Casing None

Feet From	Feet To	Formation
0	5	Surface soil and clay
5	15	Clay and gravel
15	40	Light shale and mundic
40	50	Blue shale and mundic
50	80	Gray lime, gray flint, mundic, caving
80	120	Gray and white flint, mundic, caving
120	140	Brown lime, gray and white flint, mundic, hard
140	145	Brown lime, blue and white flint, mundic
145	167½	Brown lime, gray, brown, blue and white flint, mundic
167½	172½	Gray and white flint, gray lime, mundic
172½	177½	Gray and white flint, gray and brown lime, mundic
177½	185	Brown lime, gray, white and brown flint, mundic
185	195	Gray and white flint, brown lime, mundic



SHELTON MINING COMPANY

SW¼-NE¼ & NW¼ SE¼ SEC. 18, T. 29 N., R 33 W

JASPER COUNTY, MO.

DMA DOCKET NO. 1088X

CONTRACT Idm.-E.122.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
March 31, 1953

Re: Docket No.DMA 1088X
Lead-Zinc
Shelton Mining Company
Webb City, Missouri
Contract No. Idm-E122

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 2 1953

4/6/53 - Received by J. W. G.

Memo:

To: Operating Committee

From: W. P. Williams, Executive Officer, Field Team, Region VI

We have received six copies of "Notice of Termination of Exploration Project Contract, Under the Terms of the Contract, before the Completion of the Work" which are to apply to the above referenced project.

I am ready to sign the forms and forward them to the operator; however, before I do so I wish to call your attention to one or two points concerning the termination notice.

The Shelton Contract Idm-E122 was in effect a short form contract. The provisions of the contract as set up in Exhibit "A" provided for $2.00 per foot for drilling and 40¢ per foot for supervision. We in this office are of the opinion that the 40¢ per foot was to cover all expenses incurred in reports, surveys, etc. The last sentence in Exhibit "A" states "No additional costs other than drilling, supervision, and sampling expense as shown above shall be allowable under this contract." Inspection of the project while contract was in force, and general experience in this district, indicates that 40¢ per foot for supervision should have been more than adequate to cover expenses incurred in obtaining material and writing reports.

The third paragraph in the notice of termination you have just sent me states "Upon receipt of this notice ... you are required to dispose of any remaining materials, supplies, facilities, . . ." This paragraph appears to be inapplicable because the contract was in effect a short form contract. The last paragraph in notice of termination states "Any work prosecuted or costs incurred by you after the receipt of this notice shall be for your sole account except for (a) ... disposing of any facilities, buildings, fixtures, equipment, or other items ... (inapplicable), and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract."

RECEIVED
APR - 6 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

According to my interpretation the last paragraph in the notice of termination allows the former operator to collect from the Government half of the expenses incurred in preparing his final reports and accounts. I contend that ample payment has already been made by the Government toward such reports.

The operator, Mr. J. G. Shelton, has concurred in this opinion and is preparing his final report on that basis; however, upon advice from you I shall apprise him that he may be able to obtain reimbursement from the Government for costs incurred in the final report.

A final report on the project is being prepared by the Field Team and will be forwarded to you very soon. The Field Team's final report will contain tonnage and grade calculations concerning the ore discovered by the project. These calculations will form the basis for the Field Team's recommendation that a Certification of Discovery is recommended for the project.

W. P. Williams

W. P. Williams
Executive Officer

WPW:jd

Orig & 1 - Operating Committee

FILE COPY
SURNAME:

500

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

Minerals
C.G. Rose
Bishop
Selfridge
Chairman
Johnson
Griswold

MAR 23 1953

Mr. William P. Williams
Executive Officer
DMEA Field Team, Region VI
221 West 3rd Street
Joplin, Missouri

Re: Docket No. DMA-1088X (Lead-Zinc)
Shelton Mining Company
Webb City, Missouri
Contract No. Idm-E122

Dear Mr. Williams:

Referring to the notice of termination of contract dated February 24, 1953 on the above project, which you forwarded to us, it is the opinion of the Chief Counsel that it does not conform to the proper form. We suggest that the enclosed form be signed by you and forwarded to the Operator. We assume that the termination notice has not yet been sent to him.

Would you advise us as to whether a certification of discovery is possible on this project, in that four drill holes have encountered ore.

Final reports by the Operator and Field Team should also be submitted.

Sincerely yours,

George C. Selfridge (GCS)

Chairman, Operating Committee

J.H. 3/23/53

Enclosures 6

WRGriswold/bjl (written 3/18/53)

APPROVED:

J. H. Hedges (JHH)

Member, Bureau of Mines

A. R. Kinkel, Jr. (ARK)

Member, Geological Survey

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Griswold
Mr. Bishop
Mr. Kinkel
Chron.

FILE COPY
SURNAME:

140

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

March 11, 1953

Memorandum

To: The Administrator

From: The Chief Counsel

N. S. in R.R.

Subject: Docket No. DMEA-1088 (Zinc), Shelton Mining Company, Inc., Missouri, Jasper County, Contract No. Idm-E122

Reference is made to a notice of termination dated February 24 from the Executive Officer, Region VI, to the Operator, which was submitted to this office March 9. Inasmuch as the signed ribbon copy was submitted, I suppose that the notice actually has not been given to the Operator, but is sent here for approval. The notice in its present form is not approved. If it is still desired to give the notice, it should be given pursuant to DMEA Circular 22 on the form entitled "Notice of Termination of Exploration Project Contract, under the Terms of the Contract, before the Completion of the Work," signed only by the Government as indicated in the Administrator's memorandum of July 3, 1952, to Field Team Executive Officers on the subject "DMEA Circular 22."

By the terms of the contract, as amended, the work should have been completed on February 21, 1953. A memorandum of the Field Team Executive Officer to the Administrator, dated February 25, states: "This project was completed as of February 21, 1953." A report of the Field Engineer to the Executive Officer, dated February 25, recites that of the 30 churn drill holes provided for in the contract only 15 were completed, and that no work has been done since October 13, 1952. It thus appears that the project was not completed (as stated by the Executive Officer) but remains uncompleted, with work suspended since October 13, 1952.

If it was not intended to continue with the work, a notice of termination probably should have been given long ago, as shortly after October 13, 1952, as possible. The mere fact that the time fixed for completion (February 21, 1953) has lapsed, does not in itself terminate the contract although it is a default on the part of the Operator.

3/13/53

Bill:

I suggest we prepare a new notice of termination as suggested by Hofflund and send to Williams for signing and forwarding to Operator.

Possibly a Certificate of no necessity should then be issued, based on report of Clinton Knox, dated July 30, 1952.

See Circular No. 26 and supplements.

Frank E. Johnson

FEJ

Under these circumstances, assuming that the notice submitted here has not actually been given to the Company, the notice of termination above referred to, attached to DMEA Circular 22, should be given as soon as possible, with the following modifications:

1. Assuming that the Operator has provided his share of the money, paragraph (a) should be stricken out.

2. Change the period at the end of paragraph (b) to a comma, and add the following: "in that you have failed to prosecute the work so as to bring it to completion by February 21, 1953."

3. As indicated in the Administrator's memorandum to Field Team Executive Officers dated July 3, 1952, on the subject "DMEA Circular 22," strike out any lines for the signature of the Operator, as the notice should be signed only by the Government.

J. L. Hofflund

J. L. Hofflund
Chief Counsel

Attachment

Copy to: Mails and Files
W. R. Griswold
A. E. Kane
J. L. Hofflund
chron.

NOTICE OF TERMINATION OF EXPLORATION PROJECT CONTRACT, UNDER THE TERMS OF THE CONTRACT, BEFORE THE COMPLETION OF THE WORK

To: Shelton Mining Company
c/o Mr. J. G. Shelton
Webb City, Missouri

Operator under Exploration Project
Contract I-dm-E122, Docket No.
DMA 1088X, dated August 21, 1951

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms of the above-mentioned contract, hereby terminates the contract on the following grounds:

(a) In the opinion of the Government, you have failed to prosecute operations pursuant to the terms of the contract, in that you have failed to prosecute the work so as to bring it to completion by February 21, 1953.

(b) In the opinion of the Government, operations up to the time of this notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified.

Upon receipt of this notice, as provided in said contract, you are required to dispose of any remaining materials, supplies, facilities, buildings, fixtures, equipment, or other items, in which the Government has an interest, for the joint account of yourself and the Government; and to render to the Government a full and final accounting of your operations under the contract and of your expenditures of money on account thereof.

Any work prosecuted or costs incurred by you after the receipt of this notice shall be for your sole account, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

Dated this _____ day of _____, 1953.

UNITED STATES OF AMERICA

By _____

Extra copy

NOTICE OF TERMINATION OF EXPLORATION PROJECT CONTRACT, UNDER THE TERMS OF THE CONTRACT, BEFORE THE COMPLETION OF THE WORK

To: Shelton Mining Company
c/o Mr. J. P. Shelton
Webb City, Missouri

Operator under Exploration Project
Contract I-dm-E122, Docket No.
DMA 1088%, dated August 21, 1951

The United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, under the terms of the above-mentioned contract, hereby terminates the contract on the following grounds:

(a) In the opinion of the Government, you have failed to prosecute operations pursuant to the terms of the contract, in that you have failed to prosecute the work so as to bring it to completion by February 21, 1953.

Upon receipt of this notice, as provided in said contract, you are required to dispose of any remaining materials, supplies, facilities, buildings, fixtures, equipment, or other items, in which the Government has an interest, for the joint account of yourself and the Government; and to render to the Government a full and final accounting of your operations under the contract and of your expenditures of money on account thereof.

Any work prosecuted or costs incurred by you after the receipt of this notice shall be for your sole account, except for (a) such necessary and reasonable costs and expenses as may be incurred in preserving and disposing of any facilities, buildings, fixtures, equipment, or other items, to the cost of which the Government has contributed and in which the Government has an equity, and (b) the costs of any reports, accounts, and winding-up and settlement actions provided for in the contract.

Dated this_____day of_____,1953.

UNITED STATES OF AMERICA

By_____

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
November 28, 1952

DOCKET COPY

Mr. J. G. Shelton
Shelton Mining Company
1711 Central
Joplin, Missouri

Re: Docket No. DMA-1088X
Contract No. Idm-E122
Shelton Mining Company

Dear Mr. Shelton:

Your monthly report of exploration on Forms MF-104 and MF-104A for October, 1952 has been approved by this office. On this date the original has been forwarded to the Regional Finance office, U. S. Bureau of Mines, Amarillo, Texas.

Enclosed are five copies of Form MF-104 and MF-104A to be used for next monthly report.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

cc - Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
[redacted]. C.
Joplin, Missouri
October 9, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 13 1952

Mr. R. W. Elrod
Shelton Mining Co.
1711 Central Street
Joplin, Missouri

Re: Docket No. DMA-1088X
Contract No. Idm-E122
Shelton Mining Co.

Dear Mr. Elrod:

Your monthly report of exploration on Forms MF-104 and MF-104A for September, 1952 has been approved by this office. On this date the original has been forwarded to the Regional Finance office, U. S. Bureau of Mines, Amarillo, Texas.

Enclosed are five copies of Forms MF-104 and MF-104A to be used for next monthly report.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd
Encs.

cc-Operating Committee

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

Joplin, Missouri
August 21, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 25 1952

DOCKET COPY

Mr. R. W. Elrod
Secretary-Treasurer
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Re: Contract No. Idm-E122
Docket No. DMA-1088X
Shelton Mining Co.
(Zinc-Lead)

Dear Mr. Elrod:

Your verbal notification, when you visited the Field Team office this morning of August 21, that work has been resumed on your exploration project contract is hereby acknowledged. You stated that that work during the past few days by the drilling contractor has consisted of retrieving the string of tools that were lost in hole No. D-12 upon its completion on May 5, 1952, and that the drilling contractor is preparing to move and resume the churn drilling on the project tomorrow at your proposed location of hole No. D-13.

That proposed location of hole No. D-13, about 75 feet westerly from the previously completed hole No. D-12, is hereby formally approved by the Field Team.

Article 3 of your exploration contract specifies that your project work will be completed by September 21, 1952. If you believe that the necessary project work cannot be completed by that date, a formal request for a suitable amendment to the contract, should be submitted to this office soon to permit us to present it for consideration by the DMEA Administrator. He is the only DMEA official with authority to amend the time limitation on the contract.

Sinderely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd

cc: Operating Committee

SD

Docket
FILE COPY
SURNAME:
500

Selfridge

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

AUG 18 1952

Mr. David Gallagher
Executive Officer, Region VI
DMEA Field Team
221 West 3rd Street
Joplin, Missouri

Re: Docket DMA-1088X (Lead-Zinc)
Contract No. Idm-M122
Shelton Mining Company
Joplin, Missouri

Dear Mr. Gallagher:

This is to acknowledge receipt of the memorandum of Clinton C. Knox to the Acting Administrator, dated July 30, 1952.

We concur with Mr. Knox's recommendation that the Operator be permitted to resume drilling on the project, at least until the time limit of the contract expires on September 21, 1952.

We would suggest that the Field Team and Operator study the advisability of drilling at the following locations so as to delineate the ore found in Drill Holes D7 and D8, and D2 and S8.

1. At a point 200 feet due east of Drill Hole D7.

2. At a point half way between S4 and the proposed location of X2.

3. At a point 200 feet due west of S8 instead of point X4.

4. At a point 200 feet due west of D2.

The drilling of X1 should be contingent on the results obtained in drilling X2.

The locations we have proposed above should discover the general trend of the ore outlined by previous drilling, but may not be practical because of local conditions unknown to this office.

Sincerely yours,

S. C. Selfridge (HB)

ACTING Chairman, Operating Committee

APPROVED:

C. H. Johnson (HB)
Member, Bureau of Mines

S. M. Lemmon (HB)
Member, Geological Survey

H. F. Keller/mb
August 15, 1952
Copy to: Docket
McKnight Adm. Fi
Bishop Op. Com
Region Mr. Kel
ler

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
July 30, 1952

Re: Docket DMA-1088X
Contract Idm-E122
Shelton Mining Co.
Joplin, Mo. (Zinc-Lead)

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 11 1952

Memo

To: C. O. Mittendorf, Acting Administrator, DMEA

From: Clinton C. Knox, Mining Engineer, Field Team, Region VI

Subject: Field inspection

The application by the Shelton Mining Co., 319½ Main Street, Joplin, Missouri (Docket DMA-1088X) requested 50 percent Government participation in the estimated $14,000-cost of an exploration project for zinc-lead ore. Exploration Project Contract No. Idm-E112 was approved in Washington on August 21, 1951 to grant the request made in the application. As requested, the allowable maximum project work which could be done, consisted of 30 exploratory holes to aggregate not more than 5,700 feet of churn drilling to be completed in 12 months.

After the contract was transmitted to the Field Team, the "Landlord's Subordination Agreements" were obtained by the Operator, the signature of the Operator's acceptance of the contract was obtained, and the Field Team had approved the drilling sub-contract negotiated by the Operator, the project work was started on September 27, 1951, with the Field Team's approval of the 6-day delay after the specified starting date.

The drilling on the project as shown on the attached maps is being done near the old Virginia mine which was last worked in 1912, in the southeast part of the SW¼ of NE¼, Sec. 18, T. 29 N., R. 32 W., near the village of Purcell, Jasper County, Missouri. The leases held by the Operator which may be explored by the project include a total of about 210 acres in that area as specified in the contract.

Being only about 10 miles northeast of Joplin, personnel from the Field Team Office visited the project on an average of once each month during the slow progress of the work. Knox last inspected the project upon completion of Hole No. 11 on April 11, 1952. Hole No. 12 since was completed on May 5, 1952. In retrieving the casing from that hole the string of cable tools was lost, the driller quit, and no work has been done since. In a letter to the Field Team on July 20, 1952, the Operator requested permission to resume drilling on the project on August 1, with the "intention to complete the contract or at least to satisfy you and ourselves that there is no pay dirt in or on those leases". The drilling sub-contractor has been able finally to secure a satisfactory driller who promises to start work on that date.

A total of 12 holes have been churn drilled on the project so far, aggregating 2,125½ feet and costing a total of $5,581.20 to date, of which the Government has paid a half. Ore that appears to be of mineable grade and thickness has been indicated by the assays of cutting samples from three of the holes. The ore lies in flat-bedded strata, locally known as "M bed", at depths ranging from 160 to 175 feet below the surface, the same zone as that exploited 40 years ago in the adjacent old Virginia mine. That mine is filled with water nearly to the surface but if sufficient ore reserves eventually are indicated nearby to warrant its rehabilitation, no unusual difficulties are anticipated. So far, as Knox estimated in the attached preliminary table of calculations, only a reserve of 22,659 tons of possible mineable ore has been indicated there by all the drilling with an average metallic zinc and lead content of 2.02 and 0.24 percent, respectively. The three most favorable exploratory holes churn drilled on the present DMEA project can be credited with indicating only one-fourth of those reserves. Unless those reserves could be extended to indicate at least 100,000 tons of indicated ore reserves, they can be of no commercial interest.

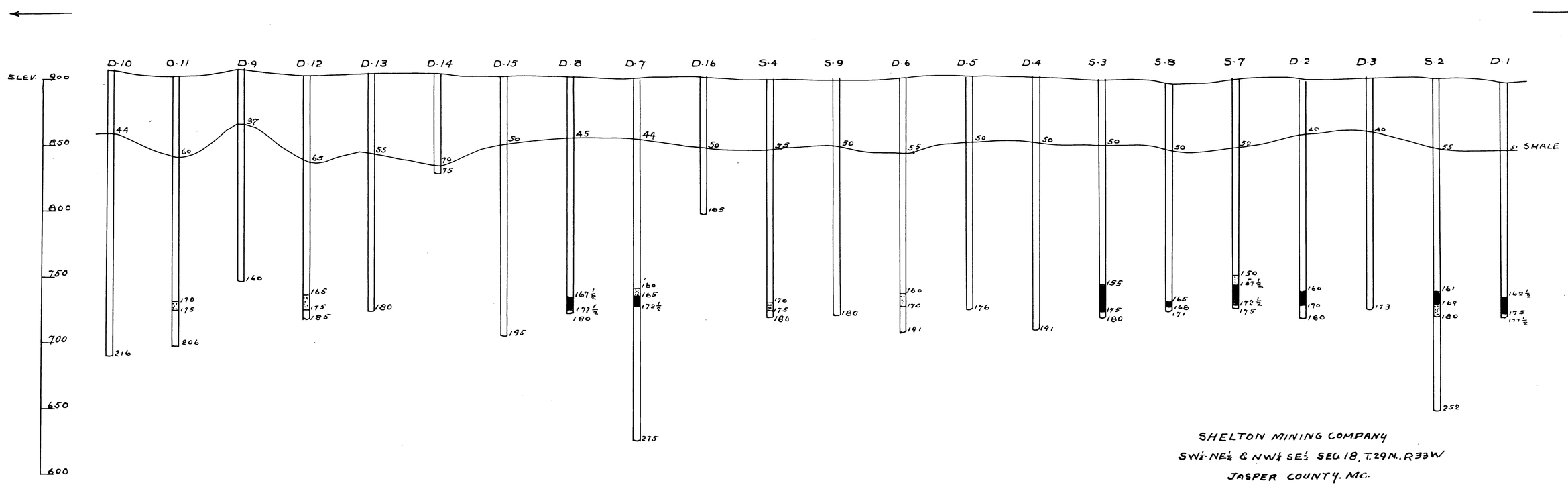
Therefore, to exert all reasonable efforts in that direction, it is recommended that the Field Team permit the Operator to resume drilling on the project and continue work at least until the 12-month time limitation, specified in the contract, expires on September 21, 1952. Suggested tentative locations for the next 4 drill holes are indicated on the map attached to this report which also shows the locations of the previously drilled holes and ore reserve blocks.

Clinton C. Knox
Clinton C. Knox
Mining Engineer

/jd
Encs.

PRELIMINARY ESTIMATE OF INDICATED ORE RESERVES
Shelton Mining Company-Docket DMA-1088X-Contract Idm-E122

Hole No.	Plan. Reading (0.10=2500)	Area -10% for pillars (sq.ft.)	Ore Thickness (ft.)	Volume (cu.ft.)	Mineable Tons (12½ cu.ft./ton)	Aug. Content % Zn	Aug. Content % Pb	Content(tons) Zn	Content(tons) Pb
by DMEA DRILLING PROJECT:									
D2	0.165	4,125 - 415 3,710	10	37,100	2,968	2.09	0.47	62.03	13.95
D7	0.136	3,400 - 340 3,060	7.50	22,950	1,836	2.89	0.32	53.03	5.88
D8	0.070	1,750 - 175 1,575	7.50	11,812	945	1.29	0.09	12.19	.85
Totals	0.371	8,345		71,862	5,749			127.25	20.68
~~Aug.~~ Averages			8.60			2.21	0.36		
by PREVIOUS DRILLING:									
S2	0.225	5,625 - 565 5,060	8	40,480	3,238	1.97	-	63.79	-
S3	0.356	8,900 - 900 8,000	7.50	60,000	4,800	1.12	0.06	53.76	2.88
S7	0.434	10,850 -1,085 9,765	7.50	73,237	5,859	2.13	0.29	124.80	16.99
S8	0.239	5,975 - 595 5,380	7	37,660	3,013	2.90	0.47	87.38	14.16
Totals	1.254	28,205		211,377	16,910			329.73	34.03
Averages			7.50			1.95	0.20		
Grand Totals	1.625	36,550		283,239	22,659			456.98	54.71
Averages			7.75			2.02	0.24		



SHELTON MINING COMPANY

SW¼ NE¼ & NW¼ SE¼ SEC. 18, T. 29 N., R 33 W

JASPER COUNTY, MO.

DMA DOCKET NO. 1088X

CONTRACT Idm.-E.122.

Copy

Joplin, Missouri
June 3, 1952

Mr. R. W. Elrod
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Re: Docket DMA 1088X
Contract No. Idm-E122
Shelton Mining Co.

Dear Mr. Elrod:

Thank you for your letter of June 2, 1952, in reply to my letter of April 25, 1952, advising me that your company would prefer an audit.

In compliance with Circular 19, this letter to you constitutes official waiver on behalf of the Government of the requirement of documentation of the individual items on your MF-104 reports in connection with Exploration Contract Idm-E122, and further constitutes official notice that these project accounts will be subject to audit at the Government's discretion in accordance with the terms of the contract.

Sincerely yours,

David Gallagher
Executive Officer
DMEA Field Team, Region VI

/jd

cc: Ray C. Jonas
Contract and Audit Division

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

April 22, 1952

Re: Docket No. DMA 1088X
Contract No. Idm-K122
Shelton Mining Company

Mr. Ray C. Jonas
Field Finance Officer
U. S. Bureau of Mines
Room 814 Barfield Building
Amarillo, Texas

Dear Mr. Jonas:

In carrying forward the running amount, the monthly report for March, 1952 failed to show the total of the item of "assays" of $36.00, which should have been carried forward from the February report.

The carried over total for March should be $3,740.40 instead of $3,704.40, and the total to date should be $4,642.80 instead of $4,606.80.

This does not change any of the figures for the month of March.

Sincerely yours,

David Gallagher

David Gallagher
Executive,
DMEA Field Team, Region VI

/lh
cc: DMEA Operating Committee
Shelton Mining Company

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
APR 24 1952

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Joplin, Missouri
November 9, 1951

Mr. J. G. Shelton, Supervisor
Shelton Mining Co., Inc.
319½ Main Street
Joplin, Missouri

Re: Docket DMA 1088X, Zinc
Contract Idm-E122

Dear Mr. Shelton:

The October Monthly Progress Report, the first under the above captioned contract, which you submitted today has been approved by this office and transmitted to the Field Finance Office in Amarillo, Texas to approve for payment.

Also this letter hereby gives written official confirmation of the previous verbal approval by this DMA Field Team of the drilling plan submitted to this office prior to start of work on September 27, 1951; likewise to the slight delay we permitted in the start of your drilling project beyond the time designated in the above subject contract.

Enclosed are 5 copies of Form MF-104 on which to make your next Monthly Progress Report.

Very sincerely yours,

C. C. K.

Clinton C. Knox
For David Gallagher

/jd
CC - Coordinating Committee (2)
Finance Office - Amarillo

SHELTON MINING CO., INC.
319½ Main Street
Joplin, Missouri

November 7, 1951

Defense Minerals Administration
Joplin, Mo.

Gentlemen:

We met with very few difficulties in Drilling Hole #D-1, except getting a second bed of Creek Gravel at about 58 ft. However, we cased through this. We contacted a flint at about 100 feet which is commonly known here as Hog Chaw. We had some difficulty getting through this for about 25 ft. The rest of the hole was completed without any trouble.

On hole #D-2. In starting this hole and setting the 8 in. pipe we struck a boulder about 15 feet down which deflected the pipe causing it to be crooked. We pulled out and moved about 10 feet and started again and had no trouble of deflection this time. We had about the same difficulty at from 90 to 120 feet with caving flint. However, on the next hole we expect to eliminate this trouble to a considerable extent by using Aqua-Jell. Hole completed without difficulty.

The weather has delayed our moving but expect to get moved to hole #D-3 before Monday, November 12th.

Yours truly,

SHELTON MINING CO., INC.

J. G. Shelton

J. G. Shelton

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 29 10 35 AM '51

Joplin, Missouri

October 25, 1951

Mr. J. G. Shelton, Partner
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Re: Docket No. DMA 1088X
(Contract No. Idm-E122)

Dear Mr. Shelton:

This letter constitutes the official approval by the DMA Field Team, Region VI, of the drilling contract dated September 15, 1951 between the Fountain Drilling Company and the Shelton Mining Company, a copy of which you have submitted to this office under Project Contract No. Idm-E122, Docket No. DMA-1088X.

Sincerely yours,

David Gallagher
Chairman
DMA Field Team, Region VI

CCK/lh

Orig. - J. G. Shelton
CC - 3 to DMA Coordinating Committee
1 to Amarillo Finance Officer

FILE COPY
SURNAME:

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

SEP 7 1951

Contract Service Section
General Accounting Office
Washington 25, D. C.

Re: Docket DMA 1088
Exploration Project Contract
Idm-E122
Shelton Mining Company, Inc.
Joplin, Missouri

Gentlemen:

Enclosed for recording in your office is the original, signed copy of an Exploration Project Contract executed between the operator named in the above reference and the Government of the United States.

Sincerely yours,

C. O. Mittendorf (M.E.H.)

C. O. Mittendorf, Director
Production Expansion Division

Enclosure-1

DEMoulds/bjs
9/5/51
cc to: Administrator's Reading File
Reports & Records
Mr. Mittendorf, Mr. Olund
Mr. Moulds
Docket

FILE COPY
SURNAME:

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

Moulds
Mittendorf

AUG 27 1951

Mr. David Gallagher
Executive Officer
DMA Region VI
229 West 3rd Street
Joplin, Missouri

Re: Docket No. DMA 1068 (Lead-Zinc)
Shelton Mining Company, Inc.
Joplin, Missouri

Dear Mr. Gallagher:

Please find herewith six copies of contract for subject exploration. As you will note, and as per telephone conversation of August 21st, the contract has been revised in form and text from the contract signed and forwarded by the operator. The maximum amount of the contract remains the same, however.

The contract has been signed for the Government by this office and bears register number and effective date as shown. To complete the contract the operator must furnish for attachment to each copy an assignment of all leases from J. G. Shelton and Russel B. Price to the Shelton Mining Company, Inc., to which the Landlord's Subordination Agreements have been revised. A guaranty agreement in lieu of subordination on the Margaret A. Eck lease is attached and is to be signed as is the contract by a duly authorized officer of the company.

After signing the contract, one copy is to be given to the operator and one copy retained for your files. The remaining copies including the original are to be returned to this office.

The copy required by the Regional Finance Office will be forwarded directly by the Washington Finance Section.

Sincerely yours,

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

Enclosures-6

APPROVED:

Tom Lyon
Chairman, Coordinating Committee

Member, Bureau of Mines

Member, Geological Survey

DEMoulds/bjs
8/22/51

cc to: Adm. Reading File
Reports & Records
Mr. Moon
Mr. Billings
Mr. McKnight
Mr. Mittendorf, Mr. Olund
Mr. Moulds

Docket copy
Region VI

FILE COPY
SURNAME:
140

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

August 17, 1951

Memorandum

To: Director, Production Expansion Division
From: General Counsel
Subject: Shelton Mining Company exploration contract -- Docket No. DMA-1088

The contract in the captioned case is approved as to legal form and sufficiency subject to the following changes and considerations:

1. The Margaret A. Eck property is not included in the project, we understand, because the owner will not give a subordination agreement. Nevertheless, this property is under lease to the operator and is almost at the heart of the area in which the exploration is to be done. Any discovery made in the course of the project might well benefit the Eck property as much as, or more than any of the property included in the project. Consideration should therefore be given, we believe, to the inclusion of this property in the project even though the owner will not execute a subordination agreement. The leasehold would thus be plainly charged with the contingent liability for repayment although the fee was not. The same consideration should be given with respect to any other tracts under lease to the operator which might be benefited as a result of the exploration. On those tracts for which subordination agreements can not be obtained the operator should, of course be required to sign the guaranty.

2. The nature of the organization should be shown in the initial paragraph as required by footnote 2 and Mr. Shelton's official capacity in the organization should be shown in the signature.

3. The names of J. G. Shelton and Russell B. Prince have been incorrectly inserted in the subordination agreements where the name of the Company should appear. Since these individuals are probably the moving factors in the Company and the landlords have signed the subordination agreements with certain information yet to be filled in concerning the exploration contract, we believe that it will be satisfactory to cross out these names and insert that of the Company at the time the date of the exploration contract is added.

4. Since the name to be inserted in the subordination agreement is to be that of the lessee of the property as well as the operator under the exploration contract, the appearance of the names of Shelton and Prince in all agreements suggests that they, rather than the Company, may be the lessees of the properties involved in the proposed project. If such is the case, there should be an assignment from these parties to the Company if the company is a corporation or a partnership having members other than these two.

5. Exhibit "D" states the rate of pay for supervision to be $75 per week and also $0.40 per foot of hole drilled. If the former is the rate to be paid and the latter an estimate of the cost per unit of work done, the statement should be clarified to that effect, e.g. Estimated Rate of Pay for Supervisor: $75 per week; Estimated Cost of supervision per foot of drilling $0.40.

6. Government approval must be obtained for any subcontracts under which work on the project is to be performed.

7. The contract should be dated as of the day the contract is delivered to the operator.

Your file is returned herewith.

/s/ John G. Liebert

John G. Liebert, Acting for
J. L. Hofflund
General Counsel

Attachment

RRGuthrie/ema

Copy to: Reports & Record Unit
R. R. Guthrie
J. L. Hofflund
Chron.

BASE METALS BRANCH

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Joplin, Missouri

August 10, 1951

Bmr 1088

Mr. Mote

To: R. H. Mote

From: Edwin T. Perkins

Subject: Shelton Exploration Contract - Landowners' Subordination Agreements

C. L. Farmer owns the SW¼-NE¼, sec. 18, south of Spring River which was formerly owned by R. S. Weaver and was known as the Weaver tract.

Farmer also owns the NE¼-NE¼, Sec. 18 and those parts of the NW¼-NW¼, sec. 17 and the SE¼-SE¼, sec. 7 lying south of Spring River.

J. C. Rowe owns the south 30 acres of the NE¼-SW¼, sec. 18, formerly owned by Nellie Arey.

A. J. Perry owns the S½-SE¼, sec. 18.

Earl and Orpha Weaver own the east 19 acres of the NW¼-SE¼, sec. 18. All of these tracts are in T. 29 N., R. 32 W.

The enclosed map shows the changed ownerships and on these ownerships Subordination Agreements were made.

Edwin T. Perkins

Edwin T. Perkins

AUG 24 1951

BUREAU OF MINES
WASHINGTON, D. C.

AUG 13 12 27 PM '51

Bureau of Mines,
DEPARTMENT OF THE INTERIOR,
RECEIVED
AUG 14 1951
Mineral Economics Division

SHELTON MINING CO., INC.
319½ Main Street
Joplin, Missouri

August 6, 1951

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 6 1951

Defense Minerals Administration
Department of Interior
Washington 25, D. C.

1088

Gentlemen:

Enclosed are M.F. 200 Exploration Project Contracts for Docket No. DMA 1088 in sextuplet, signed Shelton Mining Co., Inc. by J. G. Shelton with Landlords Subordination Agreements on four leases, and maps.

You will note that we have marked through the Margaret A. Eck on contracts. This owner has not signed the Landlords Subordination Agreement to date. However, we still hold the lease on this property, and perhaps we can have these agreements signed at a later date.

We are prepared to proceed with this project as soon as these contracts are signed. Please note we have left dates off contracts for you to put in.

Yours truly,

SHELTON MINING CO., INC.

J. G. Shelton

By: J. G. Shelton

AUG 9 1951

Joplin, Missouri

July 30, 1951

Mr. Max Crittenden
U. S. Geological Survey
G. S. Building
Washington 25, D. C.

Dear Max:

Thanks for your telegram of July 27 and the information contained re Otto antimony and Newton manganese.

I have contact applicants of 1088X and they will be able to resubmit application as requested as soon as possible as they have just today gotten the necessary information to permit them to proceed. Please advise the proper persons that 1088X may be expected back in Washington very soon.

Sincerely yours,

Louise Hill
Secretary

For David Gallagher

P. S. You will recall our phone conversation regarding the one and only map of the Batesville (Westmoreland) holes that you said you had mailed directly to Ryan in Batesville — the map was sent across the street to me a few minutes later from the Joplin office of the Bureau of Mines — it had been addressed to Ryan, P. O. Box 431, Joplin, Missouri.

FILE COPY
SURNAME:

Mittendorf

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

May 29, 1951

Mailed 6/1/51

Mr. David Gallagher
Executive Officer
Field Team, Region VI
Defense Minerals Administration
P. O. Box 431
Joplin, Missouri

Re: Docket DMA-1088
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Dear Mr. Gallagher:

The subject company has presented an application for exploration project assistance. The project is to consist of drilling a maximum of 30 holes on ground described as the SW¼ NE¼, part of the NW¼ SE¼ and part of the NE¼ SW¼, all within Section 18, T29N R32W, Jasper County, Missouri. The drilling is to be conducted on a plan approved by your office and subject to examination and recommendation as the project progresses.

The contract herewith has been filled in, as have the exhibits, in sextuplet. Five copies of the map will have to be added, as will Landlord Subordination Agreement (MF-202) in sextuplet from each of the lessors whose property will be drilled upon as part of this exploration project.

Upon securing the maps, subordination and signing of the contracts, all copies should be returned to this office for final action.

Sincerely yours,

C. O. Mittendorf

C. O. Mittendorf, Director
Production Expansion Division

DEMoulds/af

Approved:

Tom Lyon

Chairman, Coordinating Committee

Lowell B. Moon

Member, Bureau of Mines

Olaf N. Rove

Member, Geological Survey

Copy to: Files ✓
Mr. Strobel
Bu. Mines - Hesse
Mr. Moulds
~~Mr. Hofflund~~
Adm. Reading File
Mr. Moon
USGS - McKnight
PED File

Tom Lyon 5/25/51

Duff & Olaf are concerned over the apparent establishment of a second channel to the Feed Team. We raise the further question whether the DMA Zn-Pb Branch failed to do an adequate investigation before making the recommendation to MIT. This looks like a job for coordination within DMA, which we think is more appropriately yours than ours.

PBM

tuR

Shelton Mining Company
Virginia Mine

DHM - 10.

Hole (2) 8 ft. Ave. Radius 55' x 26.22 Area ft. 249064 area cu ft
Hole (3) 10 ft " " 50' x 16.87 " " 132430 " "
Hole (7) 7½ ft. " " 80' x 14.95 " 117285 " "
Hole (8) (3) ft 28.0 ft " " 90' x 20.40 " 160140 " "
78.44
* 2.75% ave. Zn S. on 28½' " 658,992 " "

658992 cu ft / 12 cu ft to a ton = 54916 tons 1%
54916 tons 90% recovery = 49424 rec. crude tons
494 tons 100% Zn S : 823 tons 60% conc.
823 x $115 = $94645

tons crude ore (2) 75992 (3) 78500 (7) 58875 (8) 58875 = 272242
272242 / 12 = 22687 tons crude
$94645 / 22687 = $4.17 net smelter per ton crude ore.
4.17 x 1½% = 0.0625 per ton x 112000 = $7000
Shaft sinking 200' @ $40 = $8000
Equip. headframe hoist on bin station 10000
Mining equipment 10,000
$28,000
Amortiz. 28000 / 112000 = $0.25 per ton.

Estimated costs	Mining hauling & milling	$3.62
	Royalty 5%	.21
	Gas refrigeration	.06
	Amortization shaft (112000)	.25
	Total	4.14
	Gross value	4.17
	Profit	$0.03

* Mining height on hole (8) add 4½' or 33.0' $\frac{78.44}{33.0}$ = 2.04%

DHM.

Diff: May 24

In a recent phone conversation Dave Gallager asked why we did not consult him on a certain case which incidentally turned out bad. No field request had been made — nor in this case. I told him that I would consult him in cases where he had not been previously consulted, & where some questions did develop. Hence this letter.

OFFICE OF THE ADMINISTRATOR

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

May 22, 1951

Memorandum

To: C. O. Mittendorf, Director, Production-Expansion Division

From: D. E. Moulds

Subject: Docket DMA-1088
Shelton Mining Company
319½ Main Street
Joplin, Missouri

The above applicant has requested exploration project assistance for a drilling project in the Tri-State lead-zinc area. The project as listed consists of 30 churn drill holes averaging 190 feet in depth or 5700 feet at $2.00 per foot plus $300 for sampling and $2,300 for supervision. The total cost is thus estimated at $14,000 of which the Government participation would be $7,000. The costs outlined for the project appear reasonable.

Basis for the drilling project consists of an adjacent mine production in 1912-13 by the Virginia Mining Company with a production of 44,000 rock tons of 4.36% combined recovery and on 4 churn drill holes showing an ore thickness of 3 to 10 feet and a weighted average of 2.75% blende. In the same 40 acre tract are shown 12 blank drill holes. On the basis of data presented it is not possible to determine ore reserves with attendant grade, production costs or repayment potential. Also, from data presented, the only indication of a favorable exploration area is the proximity to a small production of low-grade ore and the small low-grade ore body shown by 4 drill holes partially surrounded by blank holes.

The Lead-Zinc Branch of DMA has recommended the project on the data presented and state that consultation with the field team was not considered necessary. While it is realized that the project is a small one from the standpoint of Government participation, it is also believed that the exploration project funds should be expended in a manner most likely to contribute commercial ore reserves of strategic metals.

The Regional Field Team have the task of securing the applicant's signature to the Exploration Project Contract and of supervising the various phases of the project, It, therefore,

appears that the Field Team should have the opportunity of inspection of even a small project to advise if the project is well conceived as to criteria of exploration project aid and if the project merits approval of the Field Team. To approve these projects without giving the Field Team an opportunity to approve or disapprove appears to be short circuiting only for presumed expediency.

It is recommended that the attached letter be sent to Mr. Gallagher of Region VI, DMA, for an opinion on the merit of exploratory drilling in the area defined.

Attachment

5/29/51

Letter was not sent. Further consultation with Mr McKnight of the U.S.G.S. indicated recommendation was based on usual Tri State exploration in areas of weak indications in prior drilling to further delineate or disprove the area. Many such projects have shown narrow veins of high grade ore in this vicinity which have proven profitable.

On this basis the contract was prepared for signing in the field

DEMolde

May 24, 1951

Mr. David Gallagher
Executive Officer
Field Team, Region VI
Defense Minerals Administration
P.O. Box 431
Joplin, Missouri

Re: Docket No. DMA-1038
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Dear Mr. Gallagher:

The subject company has presented an application for exploration project assistance. The project is to consist of drilling 30 holes on ground described as the SW¼ NE¼; NE¼ NE¼; Sec. 18; SE¼ SE¼ Sec. 7; and NW¼ NW¼; Sec. 17, T. 29, R. 32 W., Jasper County, Missouri.

The drilling program is based on 4 churn drill holes within a 700-foot square indicating an ore thickness of 3 to 10 feet, with a weighted average of 2.75% blende and the 1912-13 production of 44,000 rock tons of 4.36% combined produced by the Virginia Mining Company from adjacent ground. The cost of the project is estimated at $14,000 with 5700 feet of drilling at $2.00 and $2,600 included for sampling and supervision.

The applicant is unable to furnish any estimate of possible ore reserves, costs or production potential on the factual data at hand. While the exploration project aid required is moderate, we will appreciate a review of the area by your office and opinion as to the merit of Government participation in exploration drilling in the area defined.

Sincerely yours,

APPROVED:

C. O. Mittendorf, Director
Production Expansion Division

Chairman, Coordinating Committee

Member, Bureau of Mines

Member, Geological Survey

DEMoulds/fw
cc to: Adar Reading File
Field Team VI
Mr. Strobel
Mr. Moon
Mr. Herres
Mr. McKnight
Mr. Mittendorf, Mr. Olund
Mr. Moulds
FILES

FILE COPY
SURNAME:

Al Brokaw
McKnight
Harris

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

C. O. Mitchell

May 10, 1951

Memorandum

To: Production Expansion Division

From: Lead-Zinc Branch, D. M. A. Re: Docket DMA-1088

Subject: Approval of exploration loan Commodity: Zinc
Shelton Mining Company
319½ Main Street
Joplin, Missouri

B. Virginia Mine
SW 1/4 NE 1/4; NE 1/4 NE 1/4: Sec. 18 T29 R 32W
SE 1/4 SE 1/4; Sec. 7 and NW 1/4 NW 1/4; Sec. 17 T29 R 32W.
Jasper County, Missouri

C. (1) This proposed exploration project is designed to explore for zinc in an area that has shown, by a limited amount of drilling, indications of a low-grade ore deposit. If an ore body of commercial proportions is determined the contained zinc will be made available for defense purposes. It is not anticipated that this drilling will necessarily uncover a large deposit but it could result in a significant contribution to our ore inventory.

(2) There are no technical problems involved in this project.

(3) The requirements for the project is one drilling rig which is probably available in the district. Drilling will be on a contract basis at $2.00 per foot.

(4) Financing is through a participating exploration loan of $14,000 to be shared equally by the Government and applicant.

(5) The applicant's references are reputable mining companies and mining geologists and engineers. No opinion is expressed by the reviewer.

D. It is recommended that the Defense Minerals Administration, on behalf of the Government, enter into an exploration contract with the applicant for $14,000. The Government's share ($7,000) to be matched by the applicant with cash and/or labor.

E. Covered in statement under item "D".

The applicant has indicated on Form MF-103 that he is prepared to match funds.

F. This is an exploration project and involves an element of risk inherent in such ventures, however, there has been a small production from the property which indicates that more ore might be found by further drilling. If an ore body is located it would be available for defense purposes. This type of exploration qualifies for the Government's exploration program which was designed to increase production.

G. There are no known reserves on this property. The limited drilling and mining that has been done to date indicates the presence of some low-grade inferred ore. No attempt has been made to determine the tonnage. Some of the samples from the drilling shows ore of commercial grade. The mineralized ground is the same horizon that has produced the large tonnage of ore from the Tri-State area. The apparent unsuccessful initial drilling does not necessarily condemn the property for past experience in the district has shown that ore bodies have been found in areas that have been drilled more thoroughly than this property.

(2) Rate of production is dependent upon exploration results.

(3) Mining methods will be those generally practiced in the Tri-State area.

(4) Ore will probably be shipped to a custom mill at Oronogo.

(5) Concentrates shipped to smelters serving the area.

(6) The drilling of 30 holes can be completed in 40 weeks.

H. These items do not apply since this is an exploration project.

I. Does not apply.

J. The experience record submitted by the applicant indicates he is capable of supervising the project. Field checking by Government engineers and geologists might be desirable.

K. The complete correspondence is contained in the attached docket. Consultation with the field team was not considered necessary in recommending this project as one that qualifies for the exploration program.

Tom Lyon pp.

Tom Lyon, Director
Supply Division

Attachment

ALBrokaw:emp
5/10/51
Copies to: David Gallagher Region VI (2)
Chief, Lead-Zinc Br.
E. T. McKnight 4204 GSA
L. B. Moon
R. H. Mote
L. F. Strobel
T. Lyon
Directors reading file 4214 GSA
Br. reading file 4214 GSA
Files

FILE COPY
SURNAME:

Strobel

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

May 4, 1951

Mr. J. G. Shelton, Manager
Shelton Mining Company
319½ Main Street
Joplin, Missouri

Subject: DMA-1088 X
Re: Loan - $14,000

My dear Mr. Shelton:

Receipt is acknowledged of your application and attachments of April 26 from the SHELTON MINING COMPANY for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1088 X and referred to Mr. Otto Herres, Chief, Lead-Zinc Branch, on May 1.

In any future correspondence relating to your application, kindly refer to DMA-1088 X.

Sincerely yours,

a.e.c.

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:aec
copies to Strobel-2
Files
Mr. Herres
Mr. Lyon

dmw 1088

SHELTON MINING COMPANY
319½ Main Street
Joplin, Missouri

April 26, 1951

Mr. James Boyd
Defense Minerals Administration
Washington 25, D. C.

Dear Sir:

We are submitting four applications for Loan to explore for zinc and lead on the R. G. Weaver property four miles north of Oronogo, Mo. in the Neck City area of the Tri-State Mining District.

We have enclosed all the information available and Mr. J. G. Shelton himself, has drilled seven holes on this property, and believe that an appreciable amount of ore can be located. Mr. Shelton as noted on the map has leases adjoining this property, which he later wishes to explore.

An early reply to this application will be greatly appreciated.

Very truly yours,

J. G. Shelton

J. G. Shelton
Manager

4 Encl-

Nora B. Arey et. al.

Spring River

Walter & Rose Bennett

R.G. Weaver

Geo. W. Ball

R.G. Weaver
Virginia Mine

Oil Rogers

13

18

Twp. 29 N.

Range 33 W

Range 32 W.

Nellie Arey

Baltzell

Margaret A. Eck

Earl E. & Orpha Weaver

Stella Boyd

A.J. Perry & Wife

John B. & Ruth W. Tinsley

Note:
Leases under this project
Docket DMA 1088 are outlined
in Red
Part designated as Margaret A. Eck
not outlined as owner has not
signed Landlords Subordination Agreement.

PLAT OF LEASES
ORONO GO-NECK CITY
AREA
JASPER COUNTY MISSOURI
ST LOUIS SMELTING & REFINING CO
Showing drill hole locations as of 1-1-43
Scale 1" = 50' May 1, 1943

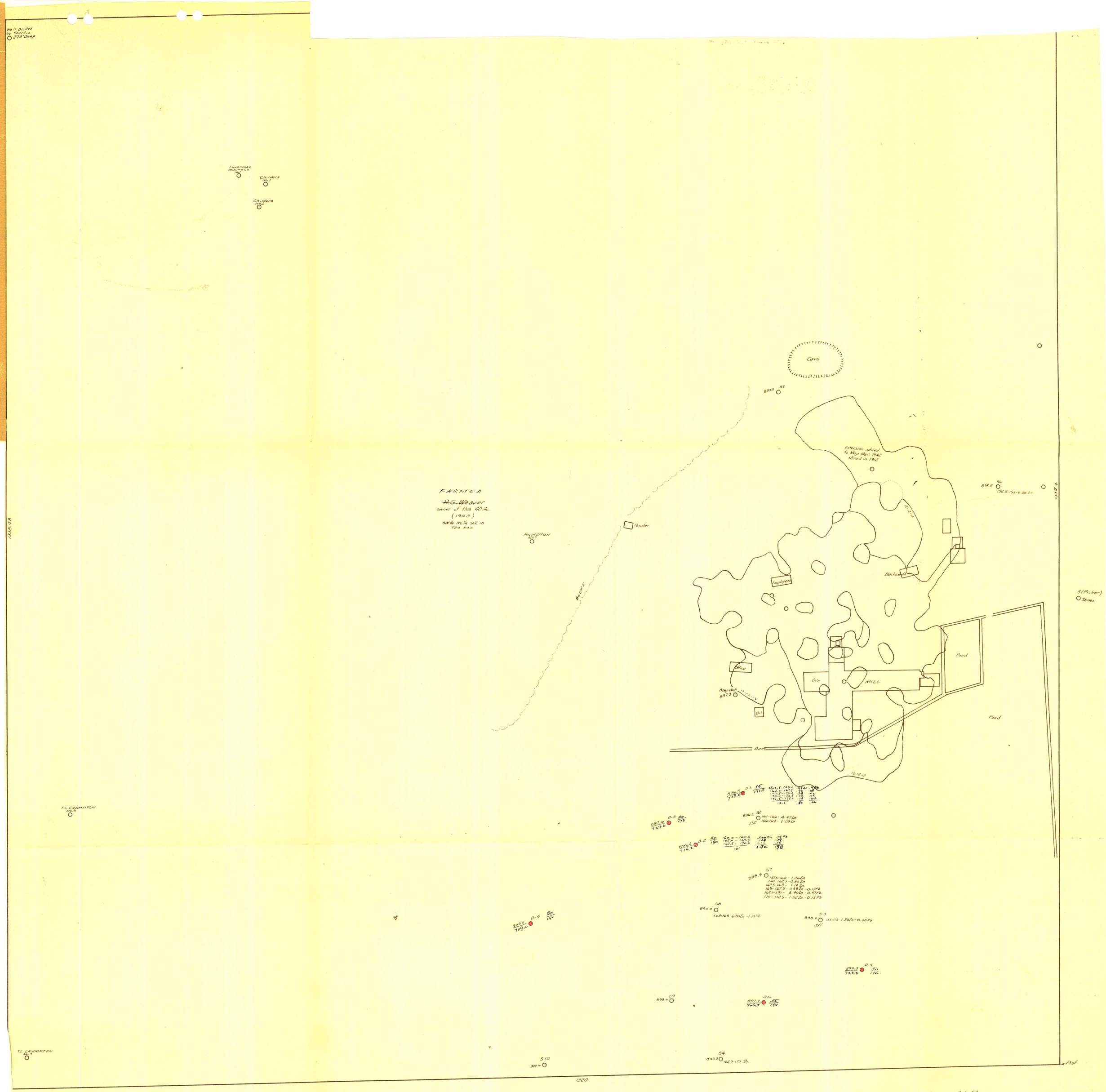
24

19

25 Abe Fallon	24 J.W. Ellis	9 J.W. Ellis	8 Harman
26 James Fallon	23 Abe Fallon	10 E.B. Thomas & Wife	7 Harman
27 James Fallon	22 Abe Fallon	11 Herbert Byler	6 J.W. Ellis
28 Smith	21 J.V. Zeigler	12 Herbert Byler	5 J.W. Ellis
29 Smith	20 J.V. Zeigler	13 J.V. Zeigler	4
30 Leonard Ulmer	19 Leonard Ulmer	14 J. Oliver	3
31 Carl Berry	18 Foster Mays	15 J. Oliver	2
32 Bert Buckingham	17 Foster Mays	16 J. Oliver	1

17 Acres

J. B. Shelton
15½ South Webb St
Webb City, Missouri
31 May, 1950



Limestone in place 1943
Ctr. Sec. 18-29-32 Jasper County

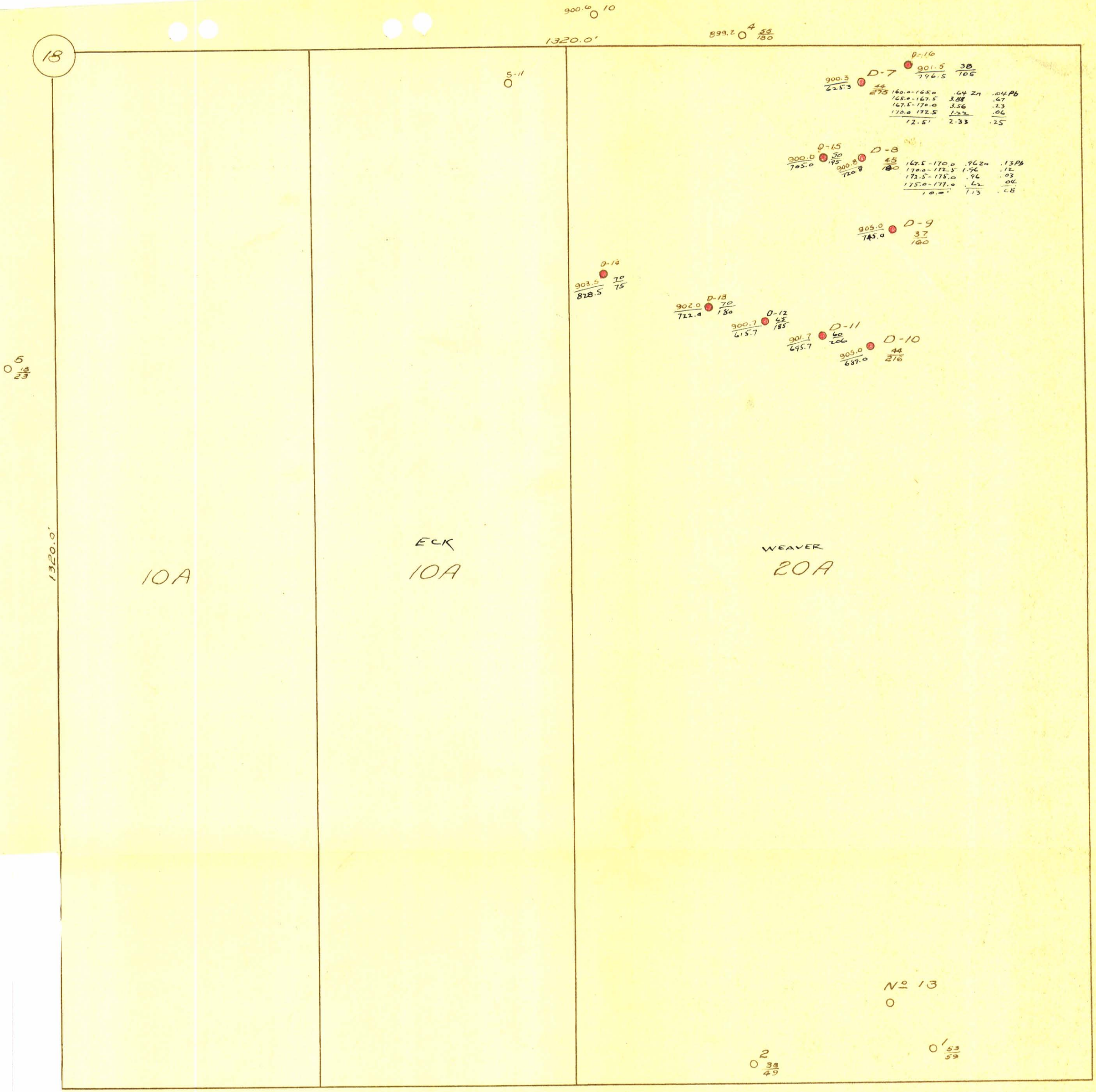
Drill Hole Locations 3-6-53

J.G. SHELTON MINING CO.
VIRGINIA MINE
near
NECK CITY, MISSOURI

Scale 1" = 50'

William M. Stewart Engineering Co.
Joplin, Missouri

Tube U-2

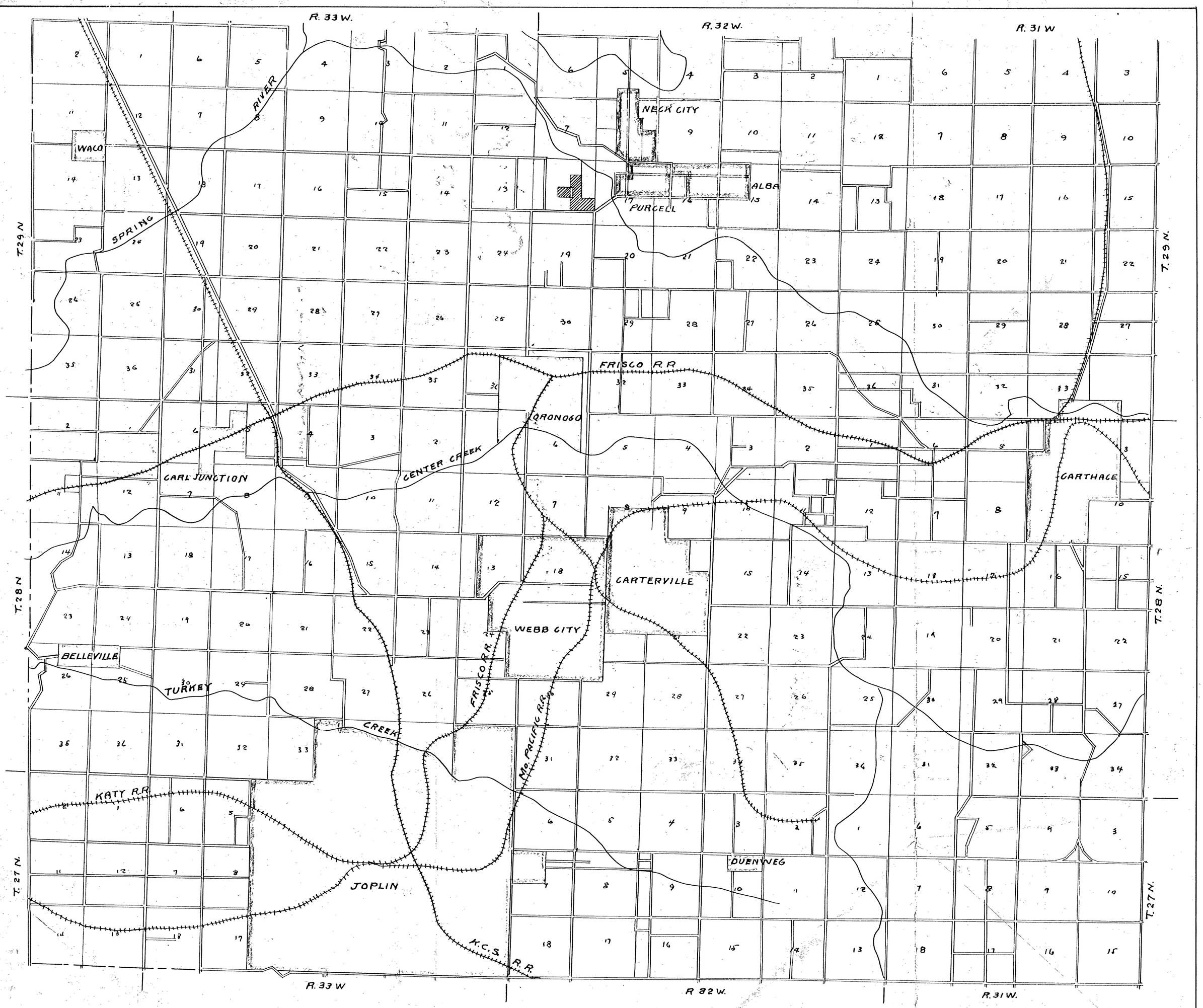


SE4 SEC. 18, T 29 N, R 32 W

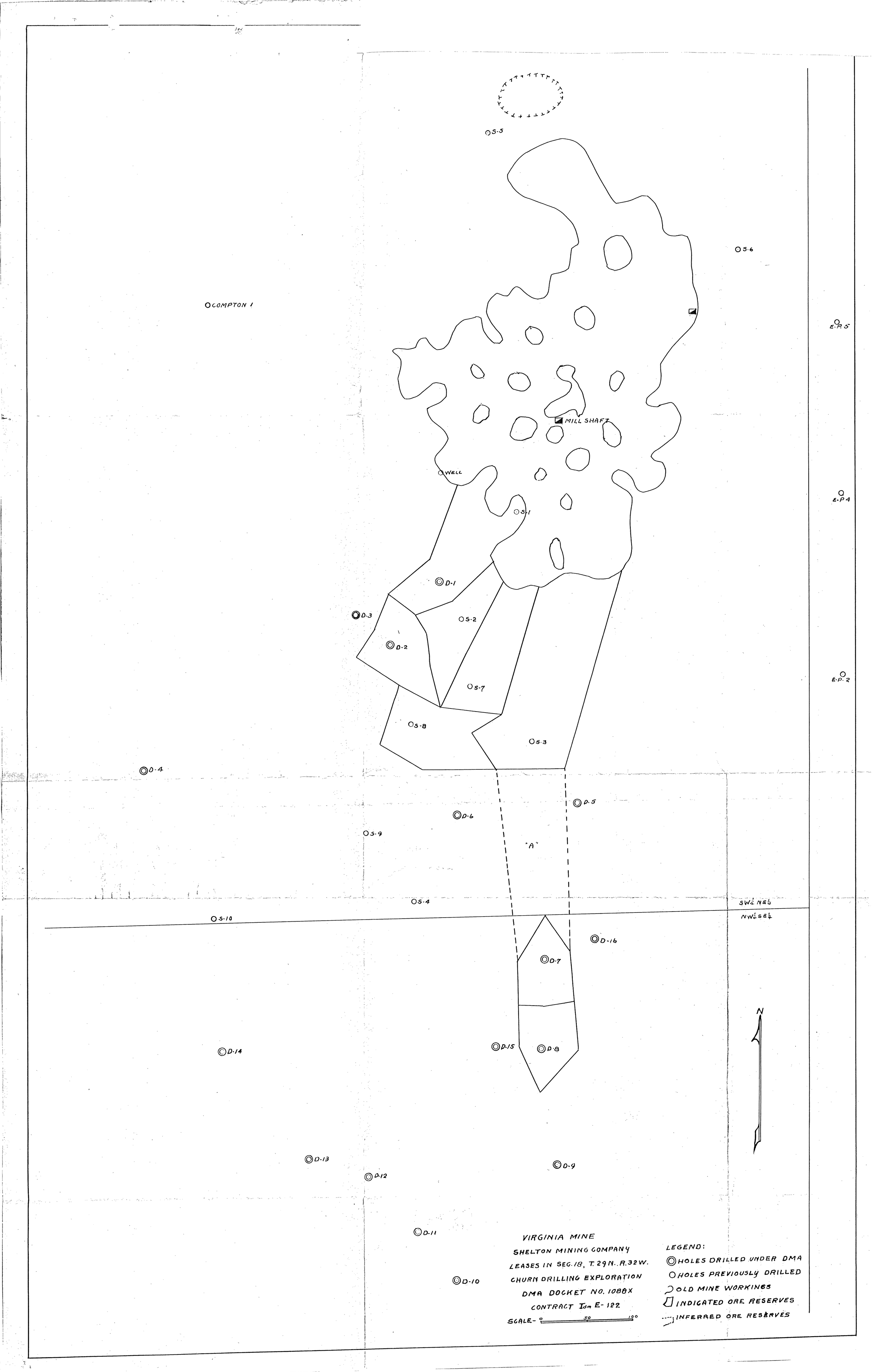
SHELTON MINING CORP.

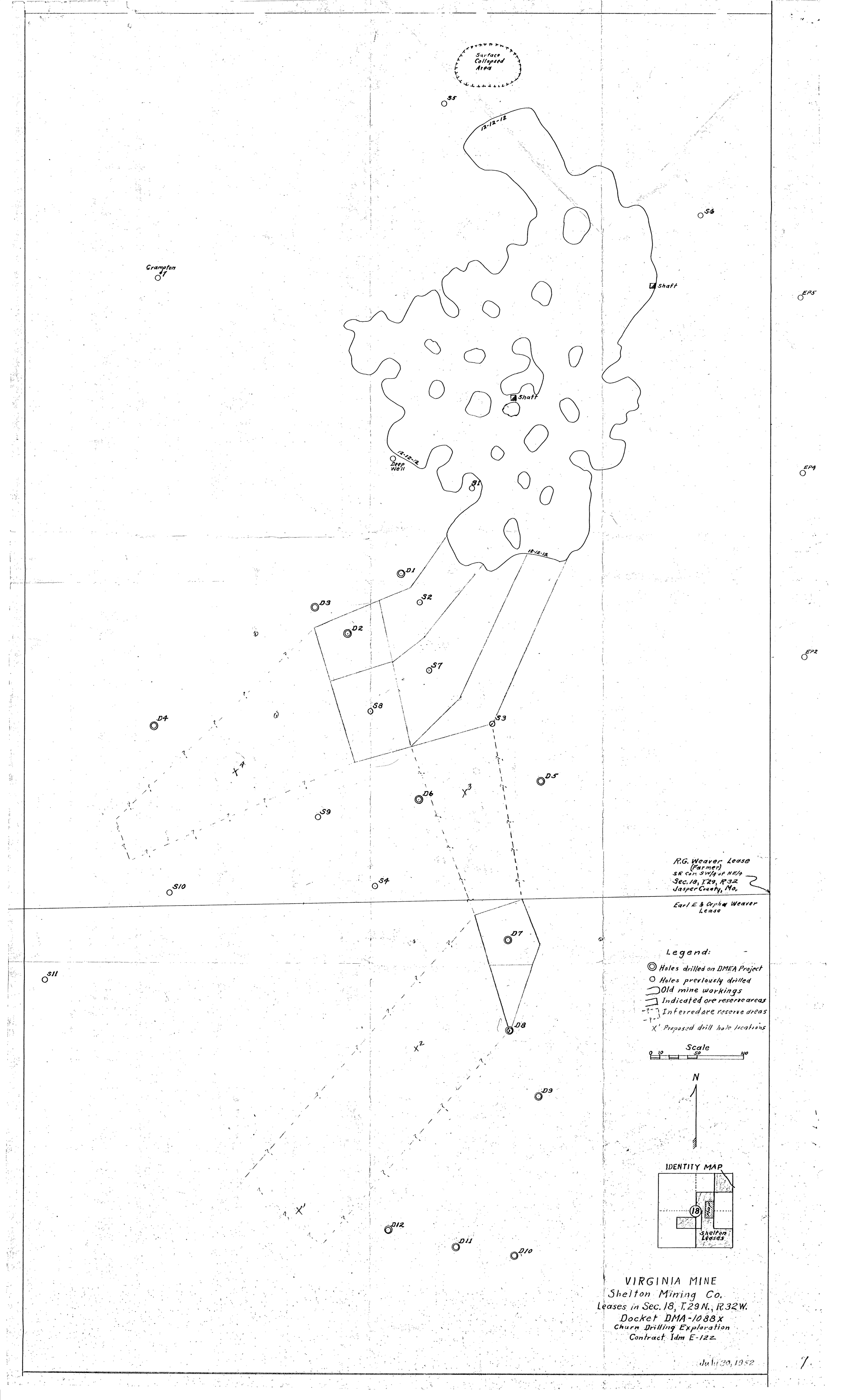
JOPLIN, MISSOURI

SCALE – 1" = 100'



SHELTON MINING COMPANY
SW¼ NE¼ & NW¼ SE¼ SEC. 18, T29N., R32W
JASPER COUNTY, MO.
CHURN-DRILLING EXPLORATION
DMA DOCKET NO 1088X
CONTRACT Idm-E-122


S-5
S-6
COMPTON 1
E-P 5
MILL SHAFT
WELL
E-P 4
S-1
D-1
D-3
S-2
D-2
E-P 2
S-7
S-8
S-3
D-4
D-5
D-6
S-9
"A"
S-4
SW¼ NE¼
NW¼ SE¼
S-10
D-16
D-7
N
D-15
D-8
D-14
D-13
D-9
D-12
D-11
D-10
VIRGINIA MINE
SHELTON MINING COMPANY
LEASES IN SEC. 18, T. 29 N., R. 32 W.
CHURN DRILLING EXPLORATION
DMA DOCKET NO. 1088X
CONTRACT Idm E-122
SCALE- 0 50 100
LEGEND:
HOLES DRILLED UNDER DMA
HOLES PREVIOUSLY DRILLED
OLD MINE WORKINGS
INDICATED ORE RESERVES
INFERRED ORE RESERVES



VIRGINIA MINE
Shelton Mining Co.
Leases in Sec. 18, T.29 N., R.32 W.
Docket DMA-1088 x
Churn Drilling Exploration
Contract Idm E-122

July 30, 1952

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