DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4824

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

Left Side

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

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

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

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

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Rosa Mae Arflack

RECEIVED SEP 23 1957 DMEA

APPLICANT NOT TO USE THIS BLOCK

Docket Number

Date Received

Government Participation %

Region

Division Code

BUSINESS ORGANIZATION (Check one)

Individual [X]
Corporation [ ]
Partnership [ ]
Other (Specify) [ ]

State in which firm is organized

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title

Mineral(s) for which you wish to explore

Flourspar, lead, zinc and associate minerals

Estimated Cost of Project

$

LOCATION OF PROPERTY

Name	County	State
Earl Arflack	Crittenden	Kentucky

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

18th September 1957
Dated

√ Rosa Mae Arflack
BY *(Signature)*

Owner
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

MF-205
(Combines and supercedes MF-[illegible]1 and MF-203)
June 1956

For Government's Use Only
EXP[illegible]ATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

RECEIVED
SEP 13 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of [illegible], State of [illegible], described as follows: 2/

A certain tract of land in Crittenden County, Kentucky, on the waters of Hurricane Creek, and bounded as follows:

BEGINNING at a stone in the center of the Marion and Tolu Road north of a barn and corner to Mira Hunn; running thence with a line of Mira Hunn N 18 E 124 poles to a stone at a gate post on the south side of the house belonging to said Hunn; thence S 84½ E 3½ poles to a stone corner to Mira Hunn; thence N 14 W 54 poles to a black walnut corner to Hunn; thence with another line of Hunn S 84½ E 58 poles to a stone in the center of the Crawford Lane, corner to Mira Hunn; running thence with said lane S 27½ W 153 poles and 16 links to a stone in the center of said lane on the north side of the Hurricane and Tolu Road, corner to the Clark survey; thence with said Road to the Beginning, containing 40 acres, more or less.

This being the same property which was conveyed to U.S. Graves by W. E. Arflack and Rosa May Arflack, his wife on the 4th day of November, 1927 by Deed of record in Deed Book No. 54 page 348, Clerk's office, Crittenden County Court.

This being a part of the same property which was inherited by the First and Second parties herein, from the estate of U.S. Graves, deceased as shown by Affidavit of Descent of record in Deed Book No. 70 page 548, aforesaid Clerk's Office.

This being the same property that was on the 19th day of February 1945 conveyed by Ellen Graves, a widow and others to Rosa Mae Arflack and for a record of this conveyance see Deed Book 70 at page 551, Crittenden County Court Clerk's Office.

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

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [~~or contract, deed, or other document~~] dated 19 Feby. 1945, and recorded in Book 70, Page 551, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: None (State "None" or "See Annex No.____")

Dated this 10th day of October, 1957.

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF[redacted]1 and MF-203)
June 1956

For Government's Use Only
EXP[redacted]ATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

RECEIVED
SEP 23 1957
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of CRITTENDEN State of KENTUCKY, described as follows: 2/

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BEGINNING at a stone in the center of the Marion and Tolu Road north of a barn and corner to Mira Nunn; running thence with a line of Mira Nunn N 18 E 124 poles to a stone at a gate post on the south side of the house belonging to said Nunn; thence S 84½ E 3½ poles to a stone corner to Mira Nunn; Thence N 14 W 5½ poles to a black walnut corner to Nunn; thence with another line of Nunn S 84½ E 58 poles to a stone in the center of the Crawford Lane, corner to Mira Nunn; running thence with said lane S 27½ W 153 poles and 16 links to a stone in the center of said lane on the north side of the Hurricane and Tolu Road, corner to the Clark survey; thence with said Road to the Beginning, containing 40 acres, more or less.

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5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Rosa Mae Auflack [Seal] Tob U, Kentucky [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF[illegible]1 and MF-203)
June 1956

For Government's Use Only
EXP[illegible]ATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195_.

Rosa Mae Arflack	[Seal]	Tolu, Kentucky	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]
_____	[Seal]	_____	[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

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6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: none (State "None" or "See Annex No.____")

Dated this 18th day of September, 1957.

Rosa mae Arflack [Seal] Tolu, Ky [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-1 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED SEP 23 1957 D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of _____ State of _____, described as follows: 2/

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7. Added provision: none (State "None" or "See Annex No.____")

Dated this 18th day of September, 1957.

Rosa Mae Arflack [Seal] John Ty [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

_____ [Seal] _____ [Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 13 1957

DATE	INITIALS	CODE
9/13	G	220
9/13	Hank	600

Tolu , Crittenden County, Kentucky
10th September 1957.

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

DEAR SIRS:

Subject: DMEA 4824.

This is in answer to a letter from the Knoxville , Tennessee Office dated 4th September 1957.

ITEM 4, (a) For the present,propose that four holes be drilled, see attached map, showing location of holes No. 1, 2, 3 and 4.

If mineralization is found in any or all of the first four holes, then additonal ten holes to be drilled.

Depth of drilling for holes 1, 2, 3, and 4 is to be 250 feet each, but will depend upon the advice of the engineer who chekk the territory.

(b) No Roads necessary.

(c) Work to begin immediately upon execution of contract with DMEA, Should be completed within sixty to ninety days.

ITEM 6, (a) Bids for contract Drilling will be submitted as soon as possible.

(b) All services will be furnished by contract drillers, except Core boxes and assays charged to the land owner; and services furnished from your department. Contract drillers are available.

(c) Water available on the farm, for drilling, no costs to the driller. All other items to be furnished by Contract Driller.

(d) To be furnished by contract drillers.

(e) None Necesary.

(f) None Necessary.

(g) All to be furnished by contract driller or drillers.

Propose that five assays be made for each of the four proposed holes, and the costs locally is $6.00 each, to be paid by land owner, the number will depend upon the requirements(Or will cost share with the Department according to your rules).

Core boxes to be furnished at approx. 20¢ per foot, or as required.

We d esire further information.

Yours truly

Earl Arflack

Earl Arflack

2 copies

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Earl Arflack
Route # 1
Tolu , Crittenden County
Kentucky

APPLICANT NOT TO USE THIS BLOCK

Docket Number: 4824
Date Received: 9/6/57
Government Participation %:
Region: V
Division Code: 600

BUSINESS ORGANIZATION (Check one)

- Individual [x]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized:

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title

RECEIVED
SEP 3 - 1957

Mineral(s) for which you wish to explore: lead, zinc, Fluorspar, and others maybe found.

Estimated Cost of Project: $ 2,000.00

LOCATION OF PROPERTY

Name	County	State
Earl Arflack farm is 2 miles east of Tolu and on south of highway # 387.	Crittenden	Kentucky

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

30th July 1957.
Dated

Earl Arflack
BY (*Signature*)

Owner
Title

lfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. *(a)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order 1, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC. WASH., D.C. 15539

THIS DEED OF CONVEYANCE made and entered into this 19th. day of February, 1945 between Ellen Graves; a widow; Bertha Postlethweighte and D. H. Postlethweighte, her husband; Wesley C. Graves and Carroll Graves, his wife; Clara Edith Claghorn and John Claghorn, her husband; all of Crittenden County, Kentucky,

parties of the first part and Rosa Mae Arflack, of Crittenden County, Kentucky,

party of the second part.

WITNESSETH, That the said part of the first part for and in consideration of the sum of ONE ($1.00) DOLLAR, cash in hand paid, and other good and valuable considerations not herein mentioned, the receipt of all of which is hereby acknowledged,

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 6 1957

DATE	INITIALS	CODE
9/6	Rosa	600

do hereby sell and convey to the party of the second parther heirs and assigns: the following described property, to-wit:

A certain tract of land in Crittenden County, Kentucky, on the waters of Hurricane Creek; and bounded as follows:-

BEGINNING at a stone in the center of the Marion and Tolu Road north of a barn and corner to Mira Nunn; running thence with a line of Mira Nunn N. 18 E. 124 poles to a stone at a gate post on the south side of the house belonging to said Nunn; thence S. 84½ E 3½ poles to a stone corner to Mira Nunn; thence N. 14 W. 5½ poles to a black walnut corner to Nunn; thence with another line of Nunn S. 84½ E. 58 poles to a stone in the center of the Crawford lane, corner to Mira Nunn; running thence with said lane S. 27½ W. 153 poles and 16 links to a stone in the center of said lane on the north side of the Hurricane and Tolu Road, corner to the Clark survey; thence with said road to the beginning, containing 40 acres, more or less.

This being the same property which was conveyed to U. S. Graves by W. E. Arflack and Rosa May Arflack, his wife, on the 18th. day of November, 1927, by Deed of record in Deed Book No. 54, page 348, Clerk's Office, Crittenden County Court.

This being a part of the same property which was inherited by the first and second parties herein, from the estate of U. S. Graves, deceased, as show by Affidavit of Descent of record in Deed Book No. 70, page 548, aforesaid Clerk's Office.

To have and to hold the same, together with all appurtenances thereunto belonging, unto the said part y of the second part her heirs and assigns forever, with covenant of general warranty

IN TESTIMONY WHEREOF, the part ies of the first part ha ve hereunto subscribed their names the day and year aforesaid.

Ellen Graves

Bertha Postlethweighte

D. H. Postlethweighte

Wesley C. Graves

Carroll Graves

Clara Edith Claghorn
John Claghorn

(Revenue $2.20)

STATE OF KENTUCKY
County of Crittenden } Sct.

I, W. S. Lowry, Clerk of the County Court, for the County and State aforesaid, certify, that the foregoing Deed of Conveyance from Ellen Graves, et al to Rosa Mae Arflack,

was on the 19th day of February, 1945, produced to me in said County and acknowledged before me by Ellen Graves, a widow; Bertha Postlethweighte, and D. H. Postlethweighte, her husband; Wesley C. Graves and Carroll Graves, his wife, and Clara Edith Claghorn and John Claghorn, her husband,

part ies grantor thereto to be their act and deed.

Given under my hand this 19th day of Feb., 1945.

W. S. Lowry Clerk

By D. C.

STATE OF KENTUCKY
County of Crittenden } Sct.

I, W. S. Lowry, Clerk of the County Court for the County and State aforesaid, certify that the foregoing Deed was on the 19th. day of February 19 45, lodged for record, whereupon the same with the foregoing and this certificate have been duly recorded in my office.

Given under my hand this 19th day of February, 19 45.

W. S. Lowry Clerk

By /s/ Wanda Newbell D. C.

WARRANTY DEED

TO { DEED

Lodged for Record

Recorded in Deed Book

Page

Tax - - - - - - - - - $

Fee for Recording - - - $

Additional Certificate - - $

Additional Tract - - - - 5

TOTAL $

THIS DEED OF CONVEYANCE made and entered into this 29th day of October, 1927 between L. A. Easley and M. L. Easley, his wife, Tolu, Crittenden County, Kentucky,

parties of the first part and Earl Arflack, Fords Ferry, Kentucky,

party of the second part.

WITNESSETH, That the said parties of the first part for and in consideration of the sum of Ten Thousand ($10,000) Dollars, paid, and to be paid as follows: Two ($2,000) Thousand Dollars cash in hand paid, One Thousand ($1,000) Dollars evidenced by note of even date, and due one year after date, with six per cent interest from date until paid, and four notes of Seventeen Hundred and Fifty ($1,750) Dollars each, due in two, three, four and five years from date, and all bearing six per cent interest from date until paid. It being provided that if any two of said notes and interest thereon should become due and not paid then the remaining unpaid notes shall immediately become due and collectible.

do hereby sell and convey to the party of the second part his heirs and assigns: the following described property, to-wit:

A certain tract of land in Crittenden County, Kentucky, on the waters of Hurricane Creek, and same conveyed to first party, L. A. Easley, by the Federal Land Bank of Louisville, Kentucky, on the 29the day of October 1924, by deed recorded in D. B. 51, page 492.

BEGINNING at a stone in a lane lying on the North side of the Hurricane and Tolu road, and running thence S 53 E 10 poles to a large elm on the North bank of Caney Fork, of Hurricane Creek; thence the meanders of said creek to a walnut on the bank of same; thence S 82¼ W 16 poles to a fallen hickory; thence S 21½ W 93½ poles to a large hickory; corner to the Dowell survey; thence with Dowell's survey N 71 W 112 poles to a stake in the Barnett line and in the road; thence N 22½ E 82 poles to a stake; thence N 71 W 21 poles to a stake; thence N 82 W 5 poles and 7 links to stake; thence N 54 W 6 poles to a stake; thence N 20 W 5 poles to a stake; thence N 85 W 9 poles and 18 links to a stake; thence N 52 E 11 poles to a s stake; thence N 45 W 9½ poles to a stake; thence N 39½ W 12 poles to a stake; thence N 15 E 15 poles to a stake; thence N 9 W 12 poles to a stake; thence N 69 E 24 3/4 poles to a stake; thence N 47 E 8 poles to a small ash on the West bank of the Creek; thence with the meanders of the creek to a white oak on the bank of the creek; thence N 84 E 18 poles to a stake; N 75 E 3 poles to a stake on the Hurricane and Tolu Road, corner to Mira Nunn; thence with her line in said road S 45 E 28 poles, S 31 E 32 poles, S 5 W 16 poles; S 11 W 34 poles; S 27½ W 16 4/5 poles; thence S 57½ E 38 1/4 poles to a stone, corner to Mira Nunn; thence to the beginning.

To have and to hold the same, together with all appurtenances thereunto belonging, unto the said party of the second part his heirs and assigns forever, with covenant of general warranty

IN TESTIMONY WHEREOF, the parties of the first part have hereunto subscribed their names the day and year aforesaid.

L. A. Easley

M. L. Easley

STATE OF KENTUCKY
County of Crittenden } Sct.

I, T. J. Yandell Notary public ~~Clerk of the County Court~~, for the County and State aforesaid, certify, that the foregoing Deed of Conveyance from L. A. Easley and M. L. Easley his wife to W. E. Arflack

was on the 31 day of Oct. 19 27, produced to me in said County and acknowledged before me by A. L. Easley

to party grantor thereto to be his act and deed.

Given under my hand this 31st day of Oct. 19 27

T. J. Yandell Notary ~~CXXXXX~~
Notary Public
By D. C.

STATE OF KENTUCKY
County of Crittenden } Sct.

I, D. A. Lowry, Clerk of the County Court for the County and State aforesaid, certify that the foregoing Deed was on the 2 day of November, 19 27, lodged for record, whereupon the same with the foregoing and this certificate have been duly recorded in my office.

Given under my hand this 2 day of November 19 27.

D. A. Lowry Clerk

By /s/ W. S. Lowery D. C.

WARRANTY DEED

TO { DEED

Lodged for Record

Recorded in Deed Book 54

Page 334

Tax - - - - - - - - - $

Fee for Recording - - - $

Additional Certificate - - $

Additional Tract - - - - 5

TOTAL $

ORIGINAL FILE COPY
DNEA
RECEIVED SEP 6 1957
DATE | INITIALS | CODE

ORIGINAL FILE COPY
DMEA
RECEIVED SEP 6 1957
DATE | INITIALS | CODE

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
Room 13 Post Office Bldg.
Knoxville , Tennessee.

TOLU , KENTUCKY
24th August 1957

Mr. Robert A. Laurence: Attached hereto is four copies of form MF-103, Revised Feby. 1957, with two deeds showing sources of title to the property and four large maps and four small maps for information in reaching a decision on my application.

Mr. J. S. Baldwin (Now Deceased) drilled the holes as indicated on the map, He kept the logs and all specimins showing mineralization ; they are not available at this time.

For your information there has not been any development of the minerals on either side of the dike in this immediate community.

Would you please let me know if other materials are needed to develope my application.

Sincerely

Earl Arflack

Earl Arflack

RECEIVED
SEP 3 - 1957
Knoxville, Tenn.

Subject DMC

OFFICIAL FILE COPY
D M E A
RECEIVED SEP 13 1957

DATE	INITIALS	CODE

OFFICIAL FILE COPY
D M E A
RECEIVED SEP 13 1957

DATE	INITIALS	CODE

ROAD NO 387
CONOR
WHITOAK
DIKE
DRILL HOLE
DRILL HOLE
DRILL HOLE
No 1
No 2
No 3
No 4
2
3
2
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S. Government Messenger Envelope

rd Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
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~~2, 4 GS Bldg~~	RUN / STOP	Mail and Files Room 4450 Interior Bldg.	RUN / STOP
~~King 3 GS~~	RUN / STOP		RUN / STOP
get & Finance	RUN / STOP		RUN / STOP
236	RUN / STOP		RUN / STOP
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244	RUN / STOP		RUN / STOP
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plus envelopes to room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required.
Your mail room has RUN and STOP information.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/10	Houk	600
3/10	Selfridge	130
3/10	Lamb	130
3/10	Kiilsgaard	130
"	Johnson	110
"	Gottesfeld	100
		220

600

MAR 10 1958

Mr. Earl Arflack
Route 1
Tolu, Kentucky

Re: Docket No. DMEA-4824-Fluorspar
Earl Arflack
Arflack Farm
Crittenden County, Kentucky

Dear Mr. Arflack:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of fluorspar is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. C. Williams (for)

Administrator

WCAnderson:rsi 3/7/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. McDougal, 3522
Field Team, Region V
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/7	Anderson	600
3/10	Houk	600
		110
		100
		220

600

March 7, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director
Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report.
Docket No. DMEA-4824-Fluorspar
Earl Arflack
Arflack Property
Crittenden County, Kentucky

Denial of application is recommended.

Fluorspar: No evidence of mineralization in the outcrop, residual soil, or core pieces examined from a 208-foot hole and a 306-foot hole which were drilled at the Applicant's expense.

Geology: Only vein type deposits along steeply-dipping faults occur in the Kentucky portion of the Kentucky-Illinois fluorspar district. Fluorspar mineralization in the veins is stratigraphically controlled. Favorable horizons are the Renault limestone, Levias limestone and the upper half of the Fredonia limestone. Study of the outcrops and residual soils on the Arflack and adjacent properties indicates the occurrence of only the Bethel sandstone and the St. Louis limestone. There are one main fault, three other parallel faults, and two cross faults.

Workings: No mining operations have been conducted on or in the vicinity of the property.

Method of Exploration: Applicant proposes two stages.
Stage I - 4 diamond drill holes averaging 250 feet deep.
Stage II - 10 diamond drill holes.
Cost - $6.00 per foot for drilling and $0.20 per foot for core boxes, which would make the total for Stages I and II, according to Applicant's unit cost estimate amount to approximately $20,000.

Recommendations: Because of the lack of any evidence of mineralization, the Field Team recommends denial of the application. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 3/7/58
Copy to: Admr. R. File
Mr. Houk

8623

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED MAR 6 1958

DATE	INITIALS	CODE
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

March 5, 1958
Re: DMEA 4824
Earl Arflack
Arflack Prospect
Crittenden Co., Ky.
$2,000 Fluorspar

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in prospecting by drilling a fault which had been drilled by a Mr. Baldwin. Later the proposal was changed and 2 faults and a dike were to be drilled.

The examiners could see no reason for doing further work as the previous drilling failed to show signs of mineralization and the only part of the property underlain by sometimes favorable units is "so complexly faulted as to limit the extent of any possible ore bodies".

The examiners recommend that the application be denied. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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DMEA
RECEIVED MAR 5 1958

DATE	INITIALS	CODE
3/5	C	220
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date March 4, 1958

DMEA Docket No. 4824
DMEA Contract No.
Commodity Fluorspar, Lead, Zinc
Name of applicant Earl Arflack
Name of property Arflack Property
Location of property Crittenden County, Kentucky
Estimated cost of project $2,000

Memorandum

To: Lawrence G. Houk, Chief, Nonmetallic Division, Defense Minerals Exploration Administration

From: Robert B. McDougal, Commodity Specialist, Branch of Construction and Chemical Materials

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 2/24/58. 2. Date received by reviewer: 3/3/58

3. Prior reports on this property known to reviewer: Yes [ ] No [x]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]

5. Information available on past production: Yes [ ] No [x]

6. Other pertinent factors known to reviewer: Yes [ ] No [x]

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [ ]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [ ]
   c. Denial [x]
   d. Agree with Field Team [x]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

Copy to: Thor H. Kiilsgaard
Frank D. Lamb
Division of Minerals
Br. of Const. & Chem. Mats.
F I L E S

Robert B. McDougal

Robert B. McDougal

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 313 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

February 24, 1958

RECEIVED FEB 26 1958

DATE	INITIALS	CODE
2/26	C	220
3/3	JHB	130
3/4	C	220
3/4	Hmb	600

Memorandum

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

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Examination Report, DMEA-4824 (Fluorspar, lead, zinc)
Earl Arflack, Route 1, Tolu, Kentucky
Arflack Property, Crittenden County, Kentucky

Enclosed are the original and two copies of the subject examination report.

The Field Team is in agreement with the recommendation of the examiners that the application be denied.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

Enclosures 3

Reviewed by
DMEA OPERATING COMMITTEE
3-3-58
(date)

On-Site Exam Rpt

DMEA
RECEIVED FEB 26 1958
DATE | INITIALS | CODE
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220

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION
ADMINISTRATION

FIELD EXAMINATION REPORT

on

DMEA-4824, Arflack Property
Crittenden County, Kentucky

by

H. L. Burmeister
Mining Engineer
U. S. Bureau of Mines

Dewey H. Amos
Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
3-3-58
(date)

Field Examination Report

DMEA-4824 (fluorspar, lead, zinc)

Applicant: Earl Arflack, Route 1, Tolu, Kentucky.

Location: Between Caney Fork and Kentucky State Highway No. 387 1.75 miles S.63°E. of the center of Tolu, Crittenden County, Kentucky.

Summary

A test pit and two drill holes completed on the Arflack property failed to reveal any mineralization nor is any evidence of such apparent in outcrops or residual soil. Much of the property is underlain by the St. Louis limestone which is lower stratigraphically than the mineralization encountered in the district. A portion of the property is underlain by stratigraphic units which are favorable ore horizons but this area is so complexly faulted as to limit the extent of any possible ore bodies. It is recommended that this application for exploratory assistance be denied.

Location and Accessibility

The Arflack property is in northern Crittenden County, Kentucky along Kentucky State Highway No. 387 between Tolu and the junction of this highway with Kentucky State Highway No. 91. It is reached from Tolu by proceeding eastward along Highway No. 387 (hard surfaced, all-weather road) a distance of 1.9 miles. The area of proposed work is along and near a gravel farm road about 0.25 miles south of the highway. This area is cleared farm land.

Field Examination

The examining engineer spent the morning of January 20, 1958 in discussion with Mr. Earl Arflack, the Applicant. The following subjects were discussed: property rights and boundaries, part exploratory work, map and core drilling bids. On the morning of January 23, 1958 the examining engineer and geologist conducted a joint field examination of the property accompanied by Mr. Earl Arflack.

Competency of Applicant

The Applicant is a farmer and completely without knowledge of exploration and mining. It would probably be difficult for him to obtain trustworthy technical assistance as most local people with such knowledge are personally interested in other mining ventures. It is probable that the Applicant would require assistance in completing reports if a contract was granted.

The Applicant's financial responsibility was not investigated further than that he and his wife own the land concerned. The Applicant stated that several times in the past he has received loans from banks in Marion, Kentucky in amounts of $3,000 and $4,000.

Applicant's Property Rights

The property consists of two contiguous parcels. One tract of 210 acres is owned jointly by Earl Arflack and his wife, Rosa Mae Arflack. The second one consists of 40 acres and is owned by Rosa Mae Arflack.

The first application was submitted in the name of Earl Arflack. Upon Government request, Rosa Mae Arflack executed "consent to lien" and at the same time a revised application was submitted in the names of both Earl Arflack and Rosa Mae Arflack. The Applicant states that title is held to both surface and mineral rights on the entire 250 acres.

The Shell Oil Company formerly held a five year lease with option to purchase. This lease was cancelled in February 1957 when a 9000-foot well on adjoining property to the north was dry. This hole is reported to have penetrated pre-Cambrian "granite". The approximate location of the well is shown on the attached map.

Past Exploration

No mining operations have been conducted on or in the vicinity of the property. In 1951 a 208-foot hole was core drilled on the 210-acre tract and a 306-foot hole on the 40-acre tract; both at the Applicant's expense. Approximate locations are shown on the attached map. Both holes were inclined -45° in a northwesterly direction and were located to intercept what is designated as Fault No. 1 on the Applicant's map. Both holes were drilled with a rig owned by Jess Baldwin of Marion, Kentucky, now deceased. Lawrence Barkan of Marion, Kentucky, who's bid for drilling accompanies this application, operated the rig in drilling the hole on the 40-acre tract.

The cores from both holes were kept intact by Mr. Arflack until he gave them to the Shell Oil Company during the time of their lease. At present, only a few scattered pieces lie about.

All observed pieces were of St. Louis limestone and did not contain any evidence of mineralization. Mr. Arflack worked as helper during the drilling and states that he saw no fluorspar in the core from either drill but that both holes penetrated fault material. Mr. Barkan told the engineer that he clearly remembers that a fault was intercepted in the hole on the 40-acre tract but that no fluorspar was present. He also stated that both walls of the fault were St. Louis limestone.

A 38-foot test pit was sunk about 1951 along the fault designated as Fault No. 1 on the Applicant's map and was subsequently filled. The approximate location is shown on the attached map. Mr. Arflack states that no evidence of mineralization was encountered in this test pit.

Availability of Manpower, Supplies, Etc.

Skilled and semi-skilled drilling and mining labor is locally available. Common supplies and equipment can be obtained in nearby towns. Creeks on the property would provide any water necessary for drilling. Electric power lines cross the property.

Geology

The fluorspar deposits of the Illinois-Kentucky district are (1) vein deposits along steeply-dipping normal faults and (2) bedded replacement deposits. Only the vein type of deposit occurs in the Kentucky portion of the district.

In the vicinity of known deposits the rocks belong to the lower part of the Chester series and to the underlying Meramec group, both of Mississippian age. The stratigraphic section of the Kentucky portion of the district is as follows:

		Unit	Thickness (Feet)
Chester Series		Cypress sandstone	110
		Paint Creek formation	25
		Bethel sandstone	75
		Renault formation	
		Downeys Bluff limestone	30
		Shetlerville member (shale and limestone)	60
Iowa Series	Meramec Group	Ste. Genevieve formation	
		Levias limestone	20
		Rosiclare sandstone	20
		Fredonia limestone	205
		St. Louis limestone	500

Fluorspar mineralization in the veins is stratigraphically controlled. The favorable horizons are the Renault limestone, Levias limestone and the upper half of the Fredonia limestone. Rarely is ore encountered at any other stratigraphic horizon.

Only two formations were identified by the field examiners from a study of outcrops and residual soils on the Arflack and adjacent properties. They are the Bethel sandstone and the St. Louis limestone (see attached map). One fault which strikes northeasterly is well exposed. This is the structure designated

as Fault No. 1 on the Applicant's map and is the one on which all prior work has been conducted. Northwest of this feature and approximately parallel to it, another fault is indicated by the distribution of outcrops and residual soil. Two additional faults, roughly parallel in strike to the exposed one, are southeast of the latter. In addition, at least two cross- faults having an east-west strike are suggested by outcrops and residual soil (see attached map). The "dike" indicated on the Applicant's map is a line of outcrops resulting from more indurated and partially recrystallized rock along the southern cross-fault (see attached map). Most faults in this district are high-angle, normal faults. No evidence was observed to indicate that these faults are not characteristic of the district habit.

All pieces of the core observed from the two drill holes consist of the St. Louis limestone. Only a few pieces remain of which the hole or depth are not known.

No evidence of mineralization was observed in outcrop, residual soil or the core pieces. Scattered nodules of coarse, crystalline calcite up to two inches in diameter are present in some of the outcrops of the St. Louis limestone. Such features are rather common in the St. Louis limestone throughout the district and do not necessarily indicate proximity to mineralization.

Recommendation

It is recommended that the application for exploratory assistance be denied because of the lack of any evidence of mineralization. Stratigraphic units favorable to mineralization occur in the subsurface along some of the faults on the Arflack property but they are restricted in extent by the pattern of faulting. Any mining in this area would probably be hindered by the numerous faults and their complexity.

H. L. Burmeister
Mining Engineer
U. S. Bureau of Mines

Dewey H. Amos
Geologist
U. S. Geological Survey

February 10, 1958

Mr. L. G. Houk telephoned Mr. R. A. Laurence in Knoxville, Tenn.

Re: Docket No. DMEA-4824-Fluorspar
Earl Arflack
Earl Arflack Farm
Crittenden County, Kentucky
Cont

Mr. Laurence informed Mr. Houk that the on-site Field Examination Report is on its way and that denial is recommended.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/23	Anderson	600
9/23	Houk	600
9/25	GCS	130
"	Johnson	110
"	Hutchinson	100
9/26	CS	220
		600

600

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

SEP 26 1957

Re: Docket No. DMEA-4324-Fluorspar
Earl Arflack
Arflack Farm
Crittenden County, Kentucky

Dear Mr. Laurence:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda dated September 16 and 20, 1957, by Mr. N. E. Nelson, USGS, and Mr. Robert D. McDougal, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge
(By CS)

Chairman, Operating Committee

Approved:

Frank D. Lamb (By CS)
Member, Bureau of Mines

N. E. Nelson (By CS)
Member, Geological Survey

WCAnderson:gad 9/23/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. McDougal, 3516
Mr. Houk

Enclosures 8

P.S. Please verify that Rosa Mae Arflack is a partner. Enclosed are copies of drilling bids, and Mr. Arflack's reply to our letter of September 12, 1957.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/25	Andrews	600
9/25	Houk	600
9/25	Kilbridge	130
	Hawk	130
	Nelson	130
"	Johnson	110
"	Mittendorf	100
		220

600

Mr. Earl Arflack
Route 1
Tolu, Kentucky

SEP 26 1957

Re: Docket No. DMEA-4824-Fluorspar
Earl Arflack
Arflack Farm
Crittenden County, Kentucky

Dear Mr. Arflack:

This will acknowledge receipt of your recent letter in reply to our letter of September 12, 1957.

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WCAnderson:rsi 9/25/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. McDougal, 3522
Mr. Houk

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 23 1957

DATE	INITIALS	CODE
9/23	C	220
		600

Mr. Earl Arflack
Route 1
Tolu, Kentucky

SEP 12 1957

Re: Docket No. DMEA-4824-Fluorspar
Earl Arflack
Arflack Farm
Crittenden County, Kentucky

Dear Mr. Arflack:

Reference is made to your application, dated July 30, 1957, requesting Government assistance to explore for fluorspar at the subject property.

To avoid delay in processing the application, please submit a reply to each question asked on the back of the application at your earliest convenience. All of the questions listed should be answered as fully as possible and to the best of your ability. One copy of Form MF-103 is enclosed for your convenience. In addition, we will require the following data:

1. According to the deeds attached to your application, you and Rosa Mae Arflack are the owners. Please advise whether you own both surface and mineral rights.

   We dd own both s surface and mineral Rights.

2. Since Rosa Mae Arflack is not a partner in your application, it is necessary that you obtain from her a lease, and Consent to Lien and Subordination Agreement; six copies of which are enclosed for execution.

   They are attache hereto

3. On the deed for the property you own, your name appears as Earl Arflack and W. E. Arflack. Please advise if both names are yours and which you prefer to be used officially.

   Earl Arflack and W.E. Arflack is one and the same person and I Prefere the name of Earl to be used

4. Please give the acreage in the Earl Arflack tract, and the book and page of recording.

   210 acres Book 54 page 334
   Book 61 page 31

1 copy

5. Any incumbrances, as mortgages, etc., on any of the two properties under consideration must be listed. If no incumbrances, please state accordingly. no incumbrances

As soon as we receive this information we can continue processing your application.

Sincerely yours,

Lawrence G. Houk

Lawrence G. Houk, Director
Division of Nonmetallic Minerals

Enclosures 7

JOY MANUFACTURING COMPANY
900 WOODLAND AVENUE
MICHIGAN CITY, INDIANA

EXECUTIVE OFFICES
HENRY W. OLIVER BUILDING
PITTSBURGH 22, PA.

September 17, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 23 1957

DATE	INITIALS	CODE

Mr. Earl Arflack
Tolu, Kentucky

Dear Mr. Arflack:

Mr. Niles Minner, Jr. has advised us that you may do some diamond core drilling on your property 3 miles east of Tolu. The drilling is to be performed with AX fittings, and holes drilled at an angle of 45°. Water will be from 500 to 1500 feet from the drill sites.

Based on the above information, our price for a minimum of 500 feet of drilling would be at the rate of $3.00 per foot. Drilling in excess of 500 feet would be at the rate of $2.75 per foot.

Niles Minner is working with a crew in Northern Illinois at this time. He should be finished in about 3 weeks. If our prices are acceptable to you, we would be in a position to start the work at that time.

If you should decide to go ahead with this work, we will have a formal core drilling agreement drawn up for your consideration. Thank you for asking us to bid on your requirements. We hope that we may have the pleasure of serving you.

Yours very truly,

JOY MANUFACTURING COMPANY

J. M. Murray

J. M. Murray, Asst. Mgr.
Contract Drill Division

JMM/et

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 23 1957
DATE | REMARKS | CODE

LAWRENCE BARKAU
Core Drilling Contractor
Marion , Kentucky.

19th September 1957

Mr. Earl Arflack
Tolu , Kentucky.

In compliance with your request for bids for core drilling upon your property, situated approx. 3 miles east of Tolu, in Crittenden County Kentucky, I will offer the following information.

I am well acquainted with your property and the availablity and the water supply.

I will bear all of my expenses , protect my employee with compensation coverage, and you furnish core-drill boxes.

The price for drilling will be $2.75 per foot drilled and at 45° angle, or another angle if desired or more suitable.

Would appreciate your work, and would be abel to begin drilling at any time contract is completed.

Yours truly

Lawrence Barkau
Lawrence Barkau

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 20 1957

DATE	INITIALS	CODE
9/20	C	220
9/25	Houk	600

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
Washington 25, D. C.

Date September 20, 1957

DMEA Docket No. 4824
DMEA Contract No.
Commodity Fluorspar, Lead, Zinc
Name of applicant Earl Arflack
Name of property Arflack Property
Location of property Crittenden Co., Ky.
Estimated cost of project $2,000.00

Memorandum

To: Lawrence G. Houk, Chief, Non-Metallic Division, Defense Minerals Exploration Administration

From: Robert B. McDougal, Commodity Specialist, Branch of Construction and Chemical Materials

Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 9/4/57 2. Date received by reviewer: 9/6/57

3. Prior reports on this property known to reviewer: Yes [ ] No [x]

4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]

5. Information available on past production: Yes [ ] No [x]

6. Other pertinent factors known to reviewer: Yes [ ] No [xx]

7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [x]
   c. Evidence of mineralization [x]
   d. Geology [xxx]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [x]
   h. _____ [ ]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [x]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary)

There are serious deficiencies in the information submitted on previous exploration, evidence of mineralization, geology, probable costs, and ownership. However, it appears that further correspondence with the applicant

is unlikely to correct the inadequacies. An appraisal of the proposal by the field team is warranted, assuming that the drilling reported done previously on the property indicates a possibility of mineralization.

Robert B. McDougal

Robert B. McDougal

Copy to: T. H. Kiilsgaard, Rm. 5222
F. D. Lamb, Rm. 3608
Div. of Minerals
Br. of Const. & Chem. Mats. (2)
F I L E S

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

September 16, 1957
Re: DMEA 4824
Earl Arflack
Arflack Prospect
Crittenden County, Kentucky
$2,000 - Fluorspar

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicant originally requested assistance in exploring a fault (No. 1) at an estimated cost of $2,000. The information given offered no good reason for the work, other than that the fault had been drilled before by Mr. Baldwin. No record of the results of that drilling were said to be available.

The applicant, in response to questions by the Field Team, now proposes to drill 2 faults and a dike, by 4 holes, each 250 feet deep. No new estimate of cost is given, nor is new information concerning showings furnished.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 17 1957

DATE	INITIALS	CODE
9-16	C	220
9/17	Houk	600

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/11	Anderson	600
9/12	Hash	600
9/12	Johnson	110
9/12	[illegible]	220
		600

600

SEP 12 1957

Mr. Earl Arflack
Route 1
Tolu, Kentucky

Re: Docket No. DMEA-4824-Fluorspar
Earl Arflack
Arflack Farm
Crittenden County, Kentucky

Dear Mr. Arflack:

Reference is made to your application, dated July 30, 1957, requesting Government assistance to explore for fluorspar at the subject property.

To avoid delay in processing the application, please submit a reply to each question asked on the back of the application at your earliest convenience. All of the questions listed should be answered as fully as possible and to the best of your ability. One copy of Form MF-103 is enclosed for your convenience. In addition, we will require the following data:

1. According to the deeds attached to your application, you and Rosa Mae Arflack are the owners. Please advise whether you own both surface and mineral rights.

2. Since Rosa Mae Arflack is not a partner in your application, it is necessary that you obtain from her a lease, and Consent to Lien and Subordination Agreement; six copies of which are enclosed for execution.

3. On the deed for the property you own, your name appears as Earl Arflack and W. E. Arflack. Please advise if both names are yours and which you prefer to be used officially.

4. Please give the acreage in the Earl Arflack tract, and the book and page of recording.

8623

5. Any incumbrances, as mortgages, etc., on any of the two properties under consideration must be listed. If no incumbrances, please state accordingly.

As soon as we receive this information we can continue processing your application.

Sincerely yours,

Lawrence G. Houk, Director
Division of Nonmetallic Minerals

Enclosures 7

WCAnderson:gad 9/11/57
Copy to: Admr. R. File
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 313 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 6 1957

DATE	INITIALS	CODE

September 4, 1957

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: Application from Earl Arflack, Tolu, Kentucky. Arflack Property, Crittenden County, Ky.(Fluorspar, lead, zinc).

Enclosed are the original and 2 copies of the subject application, received here yesterday, which consists of:

Applicant's transmittal letter
Form MF-103
Topographic map(quadrangle)
Property map
Copies of two deeds (only 1 copy of each)

Form MF-205 was not submitted, and it seems safe to assume that the unpaid balance of $8,000 mentioned in the deed conveying the Easley Farm has been paid, since the last note was due and payable on October 29, 1932.

Robert A. Laurence
Robert A. Laurence, Executive Officer
DMEA Field Team, Region V

Wm. A. Beck
Wm. A. Beck, for V. J. Lynch
Member, Bureau of Mines

Trace

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

September 6, 1957

Mr. Earl Arflack
Route #1
Tolu, Kentucky

Subject: DMEA 4824

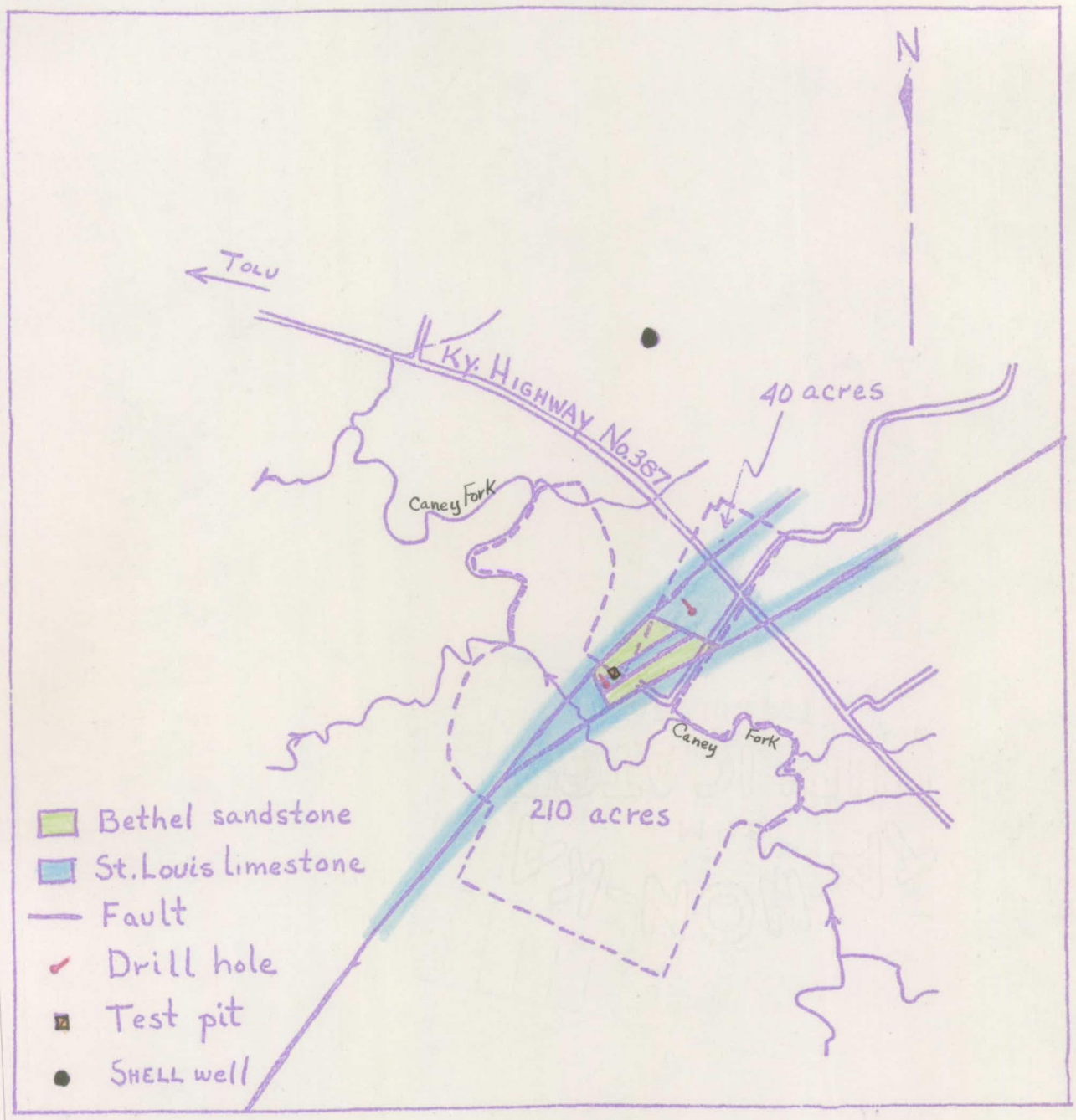
Dear Mr. Arflack,

Your application for exploration assistance, dated July 30, 1957 submitted to our office at Knoxville, Tennessee has been assigned Docket Number 4824 and referred to the Division of Nonmetallic Minerals in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:
Region V



ARFLACK PROPERTY

CRITTENDEN CO., KY.

DMEA-4824

0 3000'
scale

Jan. 1958

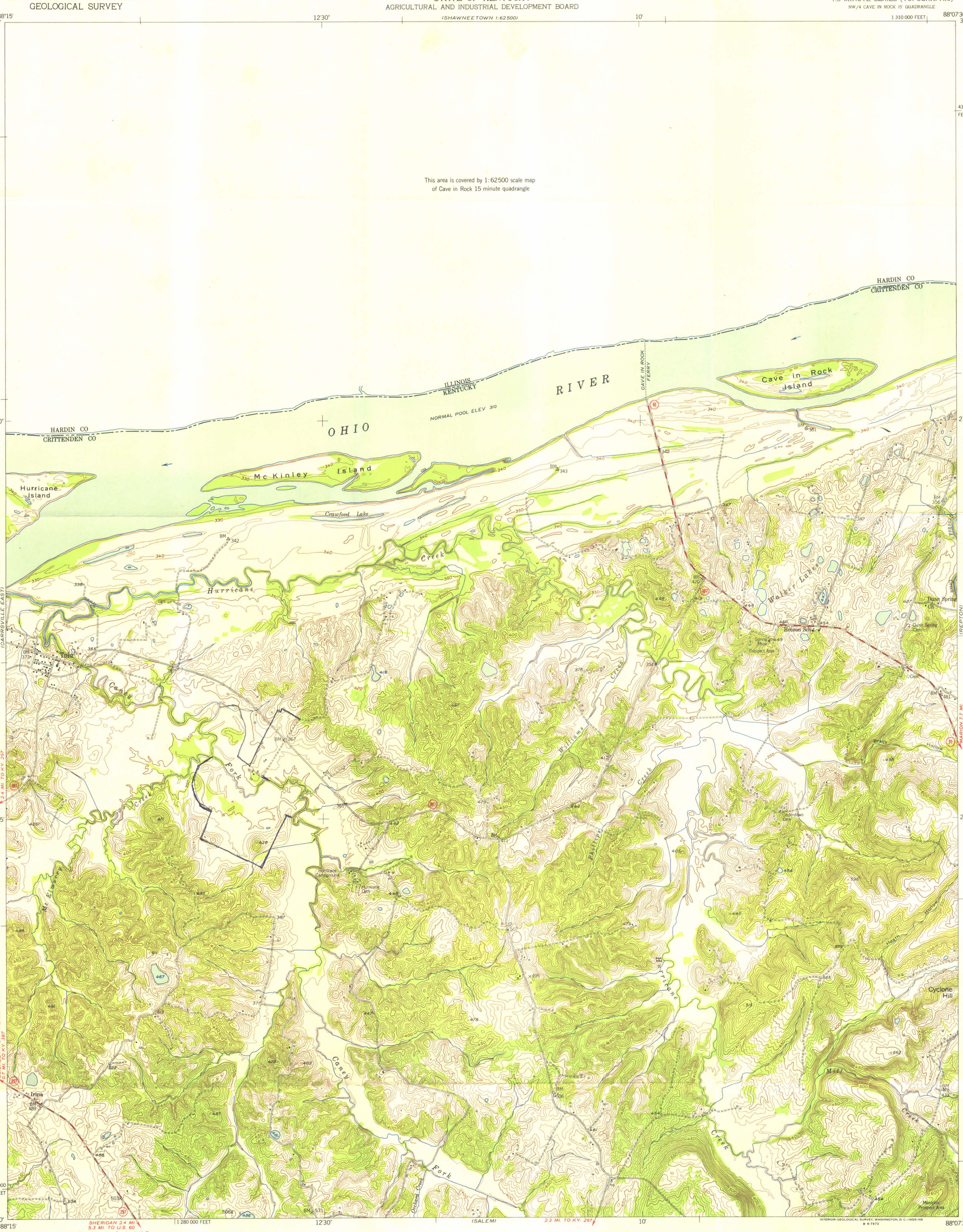
OFFICIAL FILE COPY
DMEA
RECEIVED FEB 26 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF KENTUCKY
AGRICULTURAL AND INDUSTRIAL DEVELOPMENT BOARD

CAVE IN ROCK QUADRANGLE
KENTUCKY-ILLINOIS
7.5 MINUTE SERIES (TOPOGRAPHIC)
NW/4 CAVE IN ROCK 15' QUADRANGLE



Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

Topography from aerial photographs by Kelsh plotter
Aerial photographs taken 1952. Field check 1954

Polyconic projection. 1927 North American datum
10,000-foot grid based on Kentucky coordinate system,
south zone

TRUE NORTH
MAGNETIC NORTH
4°
APPROXIMATE MEAN
DECLINATION, 1954

SCALE 1:24000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

KENTUCKY
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

CAVE IN ROCK, KY.-ILL.
NW/4 CAVE IN ROCK 15' QUADRANGLE
N3722.5—W8807.5/7.5

1954

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, WASHINGTON 25, D.C.
AND KENTUCKY AGRICULTURAL AND INDUSTRIAL DEVELOPMENT BOARD, FRANKFORT, KENTUCKY
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1955—N5
M R-7972