DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3124

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1 cy to USBM 1 cy to USGS, Region 1 cy
Routing Slip Docket 1 cy

To:	Code 400 - Rm: 3538	Date	7/21/53
To:	Code 400	Date	7-30-53
To:	Code 400 Rm 3538	Date	9-1-53
To:	Code 400	Date	10/16/53
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CONTROLLED DOCUMENT

DEC 2 - 1953

3124-Mn

Mr. K. Bruce Maxwell, dba
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

In accordance with your letter of November 17, 1953, we are transferring the subject application to the inactive files and closing the docket. Enclosed are maps and information that you submitted with your application but asked to have returned.

You indicate your intention to submit a revised application at a later date when more adequate data have been obtained to substantiate your proposed exploration program. In transmitting such revised application to us for consideration, reference should be made to your first docket number, DMEA 3124 - Manganese.

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

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosures

TLChapman:fcc 12-1-53
cc: Docket
Code 400
FT. Reg. 6
Admr. Reading File
cc: Gilbert DeHuff
Louis Pavlides

OCT 1 6 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

Reference is made to your application of July 16, 1953, for exploration assistance under the subject docket, and to our request of July 30, 1953, for additional information needed to process your application.

These data were not received, and on September 1, 1953, we again wrote you requesting that, in the interest of expediting the Defense Minerals Exploration Program, the required information be promptly provided. We have since been advised by the Executive Officer, DMEA Field Team, Region VI, that Messrs. Maxwell and Martin of the Southern Manganese Co. called at the regional office on September 9, 1953, to obtain assistance in amending the referenced application.

We wish to cooperate fully in the matter of allowing ample time for the submission of the necessary data, but if the required information has not been received by November 25, 1953, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FARUTLEDGE:foc
10-15-53
cc: Docket
Code 400
Admr. Reading File
FT. Reg. 6
Gilbert DeHuff, USBM
Louis Pavlides, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Joplin, Missouri
September 10, 1953

460

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1953

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: Docket No. DMEA-3124(Manganese)
Southern Manganese Co.
Batesville District, Arkansas

Dear Sirs:

This is intended as a report on the status of the above-referenced application. Messrs. Maxwell and Martin of the Southern Manganese Co. called at this office on September 9, 1953 to obtain assistance in amending their DMEA application for re-submission to Washington.

At the conclusion of the interview the applicants stated that their application would be revised and resubmitted to the Government for further consideration.

Sincerely yours,

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

WPW:jd

Copy retained in

SEP 1 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

Reference is made to your application for exploration assistance under the subject docket. On July 30, 1953, we wrote to you requesting additional information needed to process the application.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the required information.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
8-31-53
cc: Docket
code 400
FT. Reg. VI
Adm. Reading File
Gilbert DeHuff, USBM
Mrs. Martha Carr, USGS

JUL 30 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
K. Bruce Maxwell, dba as
Southern Manganese Co.
Martin's Manganese Mine
Izard County, Arkansas

Dear Mr. Maxwell:

Your application for exploration assistance in exploring for manganese on the referenced property has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. Manganese is known to occur in the subject area, but no detailed plan of exploration and maps, showing either the local geology or the target of the proposed exploration, were included with your application. In addition, we were unable to find any detailed estimate of the costs except the statement: "about $100,000.00." Before further consideration can be given your application, you should answer in detail all of the questions checked in red on the enclosed form, MF-103. These are 4c, 5b, 5d, and 6b to 6g, inclusive.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

FARutledge:foc 7-29-53
cc: Docket Adm. Reading File
Code 400 N. B. Melcher, USBM
FT. Reg. 6 Mrs. Martha Carr, USGS

400

IN REPLY REFER TO:

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

July 2[illegible], 1[illegible]

Memorandum

To: [illegible]. S. Martin, [illegible]

From: Martha Carr, [illegible]

Subject: Exploration Application $100,000 [illegible]-3124 Manganese
Southern Manganese Co. (K. Bruce Maxwell)
4622 Campbell
Kansas City, Missouri

Property: The property consists of [illegible]0 acres in Izard County, Arkansas, as follows: [illegible]; [illegible]; [illegible]; [illegible] and [illegible] SE[illegible], sec. 25; and [illegible] and [illegible], sec. 36, all in T. 15 N., R. [illegible] E., and is known as Martin's Manganese Mines. The land tract lies in the center of a goose-egg-shaped field formerly known as the "Anderson" field and now known as the "Lafferty" field. The tract is about 1 mile east of Anderson, now Lafferty P. O., and about 5 miles northwest of Mammoth on the Mo. Pa. [illegible].

Proposal: The applicant proposes to explore this tract of land for manganese ore. He states that a tunnel under a mountain, on top of and following the bedrock, upon which the mountain rests, should develop the quantity and quality of the ore. Drilling, shafts and excavations will also be required to explore the property. The valleys will also require exploration. The work can be started within 30 days and be completed within 6 months from the date of an exploration project contract.

Geology: The area of the applicant's property is underlain by the Plattin and Joachim limestones and the St. Peter sandstone, all of lower Ordovician age. The Joachim and Plattin limestones are exposed in many heavy ledges on the gentle slopes of ridges, and the St. Peter sandstone outcrops in the valleys. The manganese ore, which is residual from the Fernvale limestone and Cason shale, is found in surface material overlying the St. Peter sandstone and in clays in channels and pockets formed by solution in the Plattin and Joachim limestones.

Copy retained

Some of the channels extend down to the Mt. Peter sandstone. The ore in these clays and other surficial materials occurs as irregular compact masses ranging in size from fine particles to large masses. The ores from mines in secs. 25 and 35, to the west of the property, are silomelane and hausmannite, with a smaller quantity of braunite, which have been formed from the weathering of carbonate bodies. They were mined from the clays in the channels and pockets by means of pits. The oxide ores generally contain from 45 to 52 percent manganese, 3 to 8 percent iron, 0.15 to 0.30 percent phosphorus, and 2 to 8 percent silica.

In addition to USGS Bulletin 734, referred to by the applicant, USGS Bulletin 921-A, Manganese carbonate in the Batesville district, Ark., by H. F. Miser, 1941 (plate 1, Geologic map of the Batesville district, scale 1 in.= 1 mi.), also contains information on the general area of the property.

Recommendation: The area of the applicant's property, particularly that part to the northwest, in the SW¼NW¼ sec. 25, which lies near an outcrop of the Fernvale limestone, appears to be promising. The applicant, however, has furnished no map with information concerning plans for exploration. Also details to justify the cost of $100,000 for the project are insufficient. When the necessary data are obtained from the applicant, it is recommended that the application be forwarded to the field team for advice.

Hart A. Carr

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

Defense Minerals Administration
RECEIVED
JUL 21 1953

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA 3124
Metal or Mineral
Date Received 7/21/53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: W. Bruce Terrell, doing business under the name of the Southern Manganese Co., 4622 Campbell, - - Phone Wabash 7881,- Kansas City, Missouri.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. (sole owner)

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. (Not incorporate)

(*d*) If a partnership, add to the above statement the names and addresses of all partners. (sole owner)

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 250 acres more or less in Lead County, Montana, to include the N 1/2 of S 1/2; S 1/2 of NE; SE 1/4 of NW; NW 1/4 of SW; SW 1/4 of SW; West-half of SW 1/4 of SW, in Section 26; and the N 1/2 of NW, and the West-half NE 1/4 of ..., in Section 35, all in Township 1[illegible] North [illegible]

(*b*) State any mine name by which the property is known. (Martin's Manganese Mines)

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner.

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None - fee and clear of encumbrances -

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Clear title from Government down.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. (See Attachment A)

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. (Attachment B)

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. (See Attachment C)

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore ..... Manganese Ore.

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. Usual wages, fees, salaries, &c.,

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

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*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

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.

Dated ..... July 16 ....., 195..

K. Bruce Maxwell
(Applicant)

By 4622 Campbell
Kansas City Mo

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—66551-1

EXHIBITS,
To be attached to and become a part of the Application.

- - - - - 0 - - - - - -

EXHIBIT- A.

As a part of
Government's 4 - in explanation.
- - - - - - - - - - - - - - - - -

This tract of 280 Acres of land, lays in the center of the Goose-egg-shaped High-grade Manganese Ore field, formerly known as the "Anderson" field, now known as the "Lafferty" field, consisting of only a few thousand acres of land, formerly producing High-grade Ore.

Since 1917, this 280 Acre tract has been owned by Martin, who has refused all offers of Lease or Sale, hoping to Mine it himself, until he was overtaken by Old-age and infirmity. In 1918, considerable development work was done on this land. Since that time, NOTHING. It is now grown up with Brush briers and Timber.

From adjoining land, Manganese Ore was shipped Car-load lots.(See U.S.Government Bulletin No. 734, pages 252-253-254). Adjoining Mines were known as "Sand-field", Manganese-field", "Ruminer Rough","Barksdale", on the west;-"Fulbright", Caraway", "Wilson" and others on the North; "Skelton","Earl Collie",-"Pittman", - "Carraway", "Weaver" "Tates", on the Southwest and South . In fact, on all sides including the east, prospects and mines were opened up in 1918, but NOTHING done in any of them, since.

This tract of 280 Acres is located about 30 Miles South of "Bull-shoal-Dam", a Government development of Hydro-Electric Water Power, which dan be utilized at this Mining Effort, Nature has built a Dam-site on this 280 Acre tract, at the foot of a Mountain of Manganese, and in 1918, it was recommended by the Engineers, and recognized by the Government. (See U.S.Government Bulletin 734 page 91.), that a Hydraulic Plant be established here, to wash down the Mountains, and was-up the Valleys., making it an easy way to recover the Manganese on this property.

EXHIBIT B.

Gov 4
(b) In explanation.

PAST PRODUCTION.

Adjoining Mines to this 280 Acre tract, is fully described in U.S.Governmen Bulletin No.734, at page 245-252, showing also the production of Ore, quanity and quality of 12 Car-load shipped to market, which show better average than 55% MN. Engineers say that the Ore all over the field, is alike, in other words, what is on adjoining land, must be on this 290 Tract.

Of late samples of Ore from this 280 Acre tract, show High-grade Manganese. See Analyses attached.

For a better understanding, this suggestion may be made.

The Batesville-Cushman-Anderson Mining District, consists of two Fields, The Cushman or low-grade, and the Anderson of High-grade field . The Cushman field contains many thousands of Acres, while the Anderson or High-grade filed contains only a limited number of acres, not over 3,000. (See Penrose Survey, for U.S.Government of several years ago.). Where "High Gaade Ore occurs", at the mines adjoining this 280 Acre tract, were worked in 1918, see U.S.Government Bulletin No.734 page 82).

in 1942, Secretary Ickes of the Interior, made a Report to the Congresss of the United States, which will throw considerable light . Among other things he reported that a Tunnell had been sunk under a Mountain in Indepennence County, Arkansas, and gave the opinion of the Engineers of the Bureau of Mines, which worked under the direction of the Department, as to the approximate amount of Manganese in that locality, or within 1 mile from said Tunnel. So the theory of Tunneling, has been tried out and found advantageous.

EXHIBIT C.

Gov.4
(c) In explanation.

- - - - - - - - - - - - - -

REASON FOR EXPLORATION.

On the Mountains, in this locality, Manganese Ore is mixed with Clay. In the Valleys, the Ore is covered with soil, from 2 to 5 feet deep.

Engineers in charge of development work in 1918, say that there are on this 280 Acre tract about 600,000 Tons of Manganese, and that the best, heaviest or richest ore lies on this bed-rock, a ledge of rock which exists in each Mountain and upon which each Mountain rests.

We desire to ascertain the facts. It will take a Tunnel under one of these Mountains, or will require a lot of drilling, shafts, excavation or other work, all of which runs into money fast. But if the ore is there, it will not take long to pay back the Loan. This kind of work is recommended by the Government. (See U.S.Gov.Bulletin No.734 page 89.).

- - - 0 - - -

EXHIBIT D.

- - - - - - - - - - - -

Gov.4
(d) ACCESIBILITY.

This 280 Acre tract is located about 1 mile east of Anderson, 9mm (now Lafferty P.O.), About 5 miles NW Cushman, on the Mo.Pa.R.R. About 15 miles from Batesville, on the Mo.Pa.R.R. about 5 miles from Phossphate Spur, a station on the main-line of the Mo.Pa.R.R. County highways, are about the averagw country road , rough. Plenty of material handy, gravel, sand, &c, for improvements. Trucks everywhere, day and night.

The Transportation question can be easily solved, by buidling about 5 mile of standard guage railroad, from Mines to Phosphate Sprur, to be operated by either the Mo.Pa.R.R.Co, or by Electricty, generated at Mines, which WShould insure the production of Manganese at a low cost pr Ton".(See U.S.Gov.Bulletin No.734 page 92.).

EXHIBIT E.

Gov. 4-
(e) In explanation.

WATER POWER.

This 280 Acre tract of land faces the West-bank of East Lafferty River, for about 1 mile. This River can be Dammed, at reasonable cost, empownding a sufficient supply of Water, for all purposes of an up-to-date- Hydraulic Plant with which the Valleys can be washed up, and the Mountains washed down.

The Law of the State of Arkansas permits such. (See, Opinion of Attorney General hereto attached).

Such Hydraulic Plant, working day and night, can produce about 50 Tons of Manganese Ore per day. If such a project be started, it would open-up this entire High-grade Field, and start all Mines to work. The U.S.Bureau of Mines recognizes the value of Water-power: (U.S.Bulletin 734 page 91).

SMELTER, has a natural location here. It would be liberally patronized even from the Cushman field. This Smelter can be built out of the profits, later on, after the Mine gets to running or operating.

- - - - 0 - - - - - -

EXHIBIT F.

Gov. 5
(b) In explanation.

PROPOSED DEVELOPMENT.

We intend to make a thorough investigation and exploration of this tract of land and locate the Manganese Ore, so it can be Mined.

A Tunnel under a Mountain, on top of and following the bed-rock, upon which the Mountain rests, should develop the quanity and quanity of the Ore. Also, it will require drilling, shafts, excavations. The Valleys will also have to be developed, as the Government says, there are large chunks of Ore, weighing from a few pounds to as high as 3,468 pounds found therein. The Government also recommends Tunnels and shafts and drilling. (U.S.Gov.Bulletin 734 page 236).

EXHIBIT G.

Gov. 6
In explanation.
- - - - - - - - - - - - -

ESTIMATE OF COST.

This is a difficult thing to give. The costs vary from time to time-change from day to day, sometimes depend upon conditions.

If all the work contemplated is done, it will cost about - - -$100,000.

We expect to use a Buldozer extensively, to clear off and level different portions of this tract, for better operation. In this locality a Buldozer costs from $100. to $150. per day. Steam-shovel costs about the same, per day. Dump-cars and Trucks, to rent, depends on conditions. Sometimes, they cannot be hired at any price. All Mining materials are high, and still going up.

For a thorough development, $100,000. is not excessive. It may not take that much. When Ore in paying quanities is found, then Mining begins.

- -0 - -

EXHIBIT H.

Gov.6
(f) In explanation.
- - - - - - - - - - - - OPERATING MATERIALS & SUPPLIES.

Among the necessaryymaterials and supplies, will be the following:

Hand-tools,- saws, hammers, sledges, wheelbarrows, picks, shovels, wire, rope, schreening, screws, nails, lumber, hinges, belts, &c.

(d) Operating equipment: Bulldozer,- Light-plant, Pumps, Hose, wire, small-railroad-tracks, lighting system, windlasses, buckets, pulleys, sluicing, jigs, blower system for ventillation, heavy-timbers for supports in Tunnel, equipment for washing and contentrating ore, &c. Screening system, various ores, from dust to larger size, &c.

- - - 0 - - -

EXHIBIT I.

Gov. 6-
(e) In explanation.
- - - - - - - - - - - - NEW BUILDINGS.

Dwelling, living quarters, with Office attached. Living quarters for help.

Storehouse for supplies. Building for Electric Light Plant.

Dam, for water, of rock and cement, spill-ways, tile, Building for washing and concentration of ore, Settling-pool or basin, conveyors, &c.

(g) Usual charges for repairs. Usual fees.
(h) Contingencies, - - - - - - - - - - - - - - - - - - $5,000.

400

FILE COPY
SURNAME:

Chapman
Martin

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

DEC 2 - 1953

Mr. K. Bruce Maxwell, dba
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

In accordance with your letter of November 17, 1953, we are transferring the subject application to the inactive files and closing the docket. Enclosed are maps and information that you submitted with your application but asked to have returned.

You indicate your intention to submit a revised application at a later date when more adequate data have been obtained to substantiate your proposed exploration program. In transmitting such revised application to us for consideration, reference should be made to your first docket number, DMEA 3124 - Manganese.

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

Sincerely yours,

E. O. Mittendorf (fw)

Administrator

Enclosures

TLChapman:foc 12-1-53
cc: Docket
Code 400
FT. Reg. 6
Admr. Reading File

cc: Gilbert DeHuff
Louis Pavlides

R.C.G. 12-2-53

Docket

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 25 1953

Kansas City, Mo.
4622 Campbell

November 17, 1953

Mr. Frank E. Johnson,
Acting Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

WSM

Dear Mr. Johnson:

Re: Docket #DMEA 3124, Manganese
Martin's Manganese Mine
Izard County, Arkansas.

In view of the fact that we have had a great deal of difficulty in obtaining geological maps, engineer's reports and various other forms that you require in your application for a Government loan, we wish to withdraw our application for the time being and resubmit it later. Will you therefore kindly return to us our original application, together with maps and engineer's report.

We greatly appreciate your interest in this matter and wish to thank you for the great deal of help we obtained from your office in Joplin, Missouri as they were exceedingly helpful.

We do wish to say that you and your office have cooperated fully in this matter and we hope to file a new application sometime immediately after the first of the year.

Sincerely yours,

SOUTHERN MANGANESE COMPANY

K. Bruce Maxwell

K. BRUCE MAXWELL

KBM/jc

OFFICE OF

THE ATTORNEY GENERAL

Tom Gentry
Attorney General

State Capitol
Little Rock, Arkansas

April 15, 1953

Mr Claude A. Rankin
Commissioner of State Lands
State Capitol
Little Rock, Arkansas

Dear Sir:

In your letter of April 15, 1953, you inquire whether or not there are any legal restrictions on the erection of a dam across a non-navigable stream in order to impound water to be used for mining purposes. Section 35-501 of the Arkansas Statutes is as follows:

> "Any person may erect a dam across any water course not being a navigable stream, if such person is the proprietor of the land through which the water course runs at the point where he proposes to erect his dam, by proceeding as in this act (P35-501--35-526) provided."

It is, therefore, my opinion that there is no legal restriction, but the law provides affirmatively for the erection of such a dam, providing he follows the procedure set forth in the above quoted statute. Trusting this answers your inquiry, I am

Very truly yours,

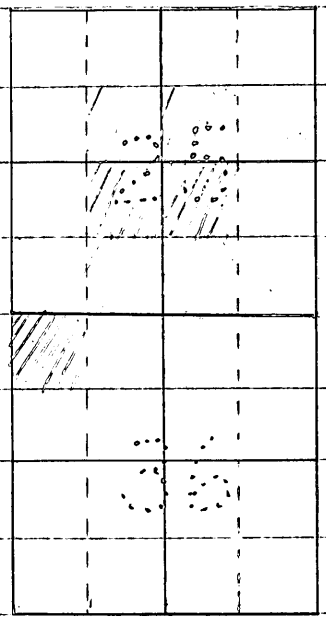
TOM GENTRY
Attorney General

By:
JOHN R. THOMPSON
Chief Assistant Attorney General

JRT:cj

K. Bruce Maxwell dba
Southern Manganese Co.

280 acres in Izard County, Arkansas



NW 1/4 of SE 1/4
NE 1/4 of SW 1/4
SW 1/4 of NE 1/4
SE 1/4 of NW 1/4
SE 1/4 of SW 1/4
W 1/2 of SW 1/4 of SE 1/4

NW 1/4 of NW 1/4
W ½ of NW 1/4 of NE 1/4

This particular area is not described among the deposits investigated.

Bull 734 Miser Manganese Ore
Bull 921 A Miser Carbonates Ore

mde
Docket

Kansas City, Mo.
4622 Campbell

October 20, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 22 1953

Mr. FrankC. Johnson,
Acting Administrator
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

3124

WSM

Dear Mr. Johnson:

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese Mine
Izard County, Arkansas

Acknowledging your letter of October 16th we are sorry to advise that we have been delayed so much in obtaining maps, etc, in order that we may complete our application to you. We wrote to two different Government Agencies requesting Bulletin 921 A and the last report we received, together with the return of our check for $1.20, was a letter advising that they were permanently out of stock of this particular bulletin.

I expect to be in your office in Joplin not later than Wednesday or Thursday of this week, at which time we will endeavor to complete this application and will, of course, have to substitute something for Bulletin 921 A.

We are indeed sorry for the delay, however, we expect to have this completed application in your office not later than November 5th.

With kindest personal regards, I am

Sincerely yours,

SOUTHERN MANGANESE COMPANY

K.B. Maxwell

K.B. Maxwell

KBM/jc

No reply necessary

FILE COPY
SURNAME:
400

Rutledge
Martin

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

OCT 16 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

Reference is made to your application of July 16, 1953, for exploration assistance under the subject docket, and to our request of July 30, 1953, for additional information needed to process your application.

These data were not received, and on September 1, 1953, we again wrote you requesting that, in the interest of expediting the Defense Minerals Exploration Program, the required information be promptly provided. We have since been advised by the Executive Officer, DME Field Team, Region VI, that Messrs. Maxwell and Martin of the Southern Manganese Co. called at the regional office on September 9, 1953, to obtain assistance in amending the referenced application.

We wish to cooperate fully in the matter of allowing ample time for the submission of the necessary data, but if the required information has not been received by November 25, 1953, we will then remove the application from the active file and consider the matter closed.

Sincerely yours,

Frank E. Johnson (fw)

ACTING Administrator

FARUTLEDGE:foc
10-15-53
cc: Docket
Code 400
Admr. Reading File
FT. Reg. 6
Gilbert DeHuff, USBM
Louis Pavlides, USGS

R.C.S.
10-16-53

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D. C.~~
Joplin, Missouri
September 10, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 11 1953

WSM

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: Docket No. DMEA-3124(Manganese)
Southern Manganese Co.
Batesville District, Arkansas

Dear Sirs:

This is intended as a report on the status of the above-referenced application. Messrs. Maxwell and Martin of the Southern Manganese Co. called at this office on September 9, 1953 to obtain assistance in amending their DMEA application for re-submission to Washington.

At the conclusion of the interview the applicants stated that their application would be revised and resubmitted to the Government for further consideration.

Sincerely yours,

W. P. Williams

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

WPW:jd

Copy retained

FILE COPY
SURNAME:

400

Rutledge

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

SEP 1 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
Martin's Manganese mine
Izard County, Arkansas

Dear Mr. Maxwell:

Reference is made to your application for exploration assistance under the subject docket. On July 30, 1953, we wrote to you requesting additional information needed to process the application.

In the interest of expediting the Defense Minerals Exploration Program, it would be appreciated if you would provide us promptly with the required information.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:foc
8-31-53
cc: Docket
code 400
FT. Reg. VI
Adm. Reading File
Gilbert DeHuff, USBM
Mrs. Martha Carr, USGS

R.C.G.
9-1-53

FILE COPY
SURNAME:

Rutledge
Martin

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

JUL 30 1953

Mr. K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Re: Docket No. DMEA 3124 - Manganese
K. Bruce Maxwell, dba as
Southern Manganese Co.
Martin's Manganese Mine
Izard County, Arkansas

Dear Mr. Maxwell:

Your application for exploration assistance in exploring for manganese on the referenced property has been reviewed by the Iron and Ferro-Alloys Division, Defense Minerals Exploration Administration.

The information submitted with your application is insufficient to justify a field examination by the Government. Manganese is known to occur in the subject area, but no detailed plan of exploration and maps, showing either the local geology or the target of the proposed exploration, were included with your application. In addition, we were unable to find any detailed estimate of the costs except the statement: "about $100,000.00." Before further consideration can be given your application, you should answer in detail all of the questions checked in red on the enclosed form, MF-103. These are 4c, 5b, 5d, and 6b to 6g, inclusive.

We will, therefore, hold your application in abeyance until the requested data have been received.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

FARutledge:foc 7-29-53
cc: Docket Adm. Reading File
Code 400 N. B. Melcher, USBM
FT. Reg. 6 Mrs. Martha Carr, USGS

7-30-53

IN REPLY REFER TO:

[illegible]

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

July 23, 1953

Memorandum

To: W. S. Martin, DMEA

From: Martha Carr, USGS

Subject: Exploration Application $100,000 DMEA-3124 Manganese
Southern Manganese Co. (C. Bruce Maxwell)
4622 Campbell
Kansas City, Missouri

Property: The property consists of 280 acres in Izard County, Arkansas, as follows: NW¼SE¼; NE¼SW¼; SW¼NE¼; [illegible]; SE¼SW¼ and W½SE¼SE¼, sec. 25; and NW¼NW¼ and W½SW¼NE¼, sec. 36, all in T. 15 N., R. 8 W., and is known as Martin's Manganese Mines. The land tract lies in the center of a goose-egg-shaped field formerly known as the "Anderson" field and now known as the "Lafferty" field. The tract is about 1 mile east of Anderson, now Lafferty P. O., and about 5 miles northwest of Cushman on the Mo. Pa. R.R.

Proposal: The applicant proposes to explore this tract of land for manganese ore. He states that a tunnel under a mountain, on top of and following the bedrock, upon which the mountain rests, should develop the quantity and quality of the ore. Drilling, shafts and excavations will also be required to explore the property. The valleys will also require exploration. The work can be started within 30 days and be completed within 6 months from the date of an exploration project contract.

Geology: The area of the applicant's property is underlain by the Plattin and Joachim limestones and the St. Peter sandstone, all of lower Ordovician age. The Joachim and Plattin limestones are exposed in many heavy ledges on the gentle slopes of ridges, and the St. Peter sandstone outcrops in the valleys. The manganese ore, which is residual from the Fernvale limestone and Cason shale, is found in surface material overlying the St. Peter sandstone and in clays in channels and pockets formed by solution in the Plattin and Joachim limestones.

Copy retained [illegible]

Some of the channels extend down to the St. Peter sandstone. The ore in these clays and other surficial materials occurs as irregular compact masses ranging in size from fine particles to large masses. The ores from mines in secs. 26 and 35, to the west of the property, are psilomelane and hausmannite, with a smaller quantity of braunite, which have been formed from the weathering of carbonate bodies. They were mined from the clays in the channels and pockets by means of pits. The oxide ores generally contain from 45 to 52 percent manganese, 3 to 8 percent iron, 0.15 to 0.30 percent phosphorus, and 2 to 8 percent silica.

In addition to USGS Bulletin 734, referred to by the applicant, USGS Bulletin 921-A, Manganese carbonate in the Batesville district, Ark., by H. D. Miser, 1941 (plate 1, Geologic map of the Batesville district, scale 1 in.= 1 mi.), also contains information on the general area of the property.

Recommendation: The area of the applicant's property, particularly that part to the northwest, in the SW¼NW¼ sec. 25, which lies near an outcrop of the Fernvale limestone, appears to be promising. The applicant, however, has furnished no map with information concerning plans for exploration. Also details to justify the cost of $100,000 for the project are insufficient. When the necessary data are obtained from the applicant, it is recommended that the application be forwarded to the field team for advice.

Martha Carr

IN REPLY REFER TO:

G-1D-HD

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

July 23, 1953

Memorandum

To: W. S. Martin, DMEA

From: Martha Carr, USGS

Subject: Exploration Application $100,000 DMEA-3124 Manganese
Southern Manganese Co. (K. Bruce Maxwell)
4622 Campbell
Kansas City, Missouri

Property: The property consists of 280 acres in Izard County, Arkansas, as follows: NW¼SE¼; NE¼SW¼; SW¼NE¼; NE¼NW¼; SE¼SW¼ and W½SW¼ SE¼, sec. 25; and NW¼NW¼ and W½NW¼NE¼, sec. 36, all in T. 15 N., R. 8 W., and is known as Martin's Manganese Mines. The land tract lies in the center of a goose-egg-shaped field formerly known as the "Anderson" field and now known as the "Lafferty" field. The tract is about 1 mile east of Anderson, now Lafferty P. O., and about 5 miles northwest of Cushman on the Mo. Pa. R.R.

Proposal: The applicant proposes to explore this tract of land for manganese ore. He states that a tunnel under a mountain, on top of and following the bedrock, upon which the mountain rests, should develop the quantity and quality of the ore. Drilling, shafts and excavations will also be required to explore the property. The valleys will also require exploration. The work can be started within 30 days and be completed within 6 months from the date of an exploration project contract.

Geology: The area of the applicant's property is underlain by the Plattin and Joachim limestones and the St. Peter sandstone, all of lower Ordovician age. The Joachim and Plattin limestones are exposed in many heavy ledges on the gentle slopes of ridges, and the St. Peter sandstone outcrops in the valleys. The manganese ore, which is residual from the Fernvale limestone and Cason shale, is found in surface material overlying the St. Peter sandstone and in clays in channels and pockets formed by solution in the Plattin and Joachim limestones.

Carl Rohrbaugh

Some of the channels extend down to the St. Peter sandstone. The ore in these clays and other surficial materials occurs as irregular compact masses ranging in size from fine particles to large masses. The ores from mines in secs. 23 and 35, to the west of the property, are siliceous and hausmannite, with a smaller quantity of braunite, which have been formed from the weathering of carbonate bodies. They were mined from the clays in the channels and pockets by means of pits. The oxide ores generally contain from 45 to 52 percent manganese, 3 to 6 percent iron, 0.15 to 0.30 percent phosphorus, and 2 to 7 percent silica.

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Mart a Carr

IN REPLY REFER TO:

G-MD-MC

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

July 23, 1953

Memorandum

To: W. S. Martin, DMEA

From: Martha Carr, USGS

Subject: Exploration Application $100,000 DMEA-3124 Manganese
Southern Manganese Co. (K. Bruce Maxwell)
4622 Campbell
Kansas City, Missouri

Property: The property consists of 280 acres in Izard County, Arkansas, as follows: NW¼SE¼; NE¼SW¼; SW¼NE¼; SE¼NW¼; SE¼SW¼ and W½SW¼ SE¼, sec. 25; and NW¼NW¼ and W½NW¼NE¼, sec. 36, all in T. 15 N., R. 8 W., and is known as Martin's Manganese Mines. The land tract lies in the center of a goose-egg-shaped field formerly known as the "Anderson" field and now known as the "Lafferty" field. The tract is about 1 mile east of Anderson, now Lafferty P. O., and about 5 miles northwest of Cushman on the Mo. Pa. RR.

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W. S. Martin
Copy retained 400

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Recommendation: The area of the applicant's property, particularly that part to the northwest, in the SW¼NW¼ sec. 25, which lies near an outcrop of the Fernvale limestone, appears to be promising. The applicant, however, has furnished no map with information concerning plans for exploration. Also details to justify the cost of $100,000 for the project are insufficient. When the necessary data are obtained from the applicant, it is recommended that the application be forwarded to the field team for advice.

Martha Carr

Martha Carr

July 21, 1953

K. Bruce Maxwell
Southern Manganese Co.
4622 Campbell
Kansas City, Missouri

Subject: DMEA-3124
Re: Exploration Assistance
Martin's Manganese Mine

My Dear Mr. Maxwell;

The receipt of your application dated July 16, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number 3124 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-3124 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operation's Control
and Statistics Division

MF-103
(Revised April 1952)

COPY

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA 3124
Metal or Mineral
Date Received 7-21-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: K. Bruce Maxwell, doing business under the name of the Southern Manganese Co., 4622 Campbell - - Phone WEport 7531 Kansas City, Missouri

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized. (sole owner)

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. (later, incorporate)

(*d*) If a partnership, add to the above statement the names and addresses of all partners. (sole owner)

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract 280 Acres land in Izard County, Arkansas, as follows NW 1/4 of SE; NE 1/4 of SW; SW 1/4 of NE: SE 1/4 of NW; SE 1/4 of SW and West-half of SW 1/4 of SE, in Section 25; and the NW of NW, and the West-half NW 1/4 of N.E. in Section 36, all in Township 15 Range 8 (west)

(*b*) State any mine name by which the property is known. (Martin's Manganese Mines)

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner,

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None O free and clear of everything

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Good title from Government down.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. (See Exhibit A.)

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. ((Exhibit B)

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. (See Exhibit C)

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. (See Exhibit D)

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. (See Exhibit E)

16—66551-1

5. *The exploration project.*—(a) State the mineral or minerals for which you wish to explore (Manganese)

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. (See Exhibit F)

(*c*) The work will start within 30 days and be completed within 6 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. Both experianced men.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project: (Exhibit G)

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). None.

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. Usual wages, fees, salaries, &c.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. (See Exhibit H)

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. (See Exhibit H)

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. good condition.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project. Exhibit I.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes. (See Exhibit J)

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

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*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes.

(*b*) How do you propose to furnish your share of the costs?

☑ Money ☑ Use of equipment owned by you ☑ Other

Explain in detail on acompanying paper.

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.

Dated July 16, 1953

/s/ K. Bruce Maxwell
4622 Campbell
Kansas City, Mo.
(Applicant)

By

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—66551-1

EXHIBITS

To be attached to and become a part of the Application.

- - - - - - 0 - - - - - -

EXHIBIT A.

As a part of
Government's 4 - in explanation.
- - - - - - - - - - - - - - - - - -

This tract of 280 Acres of land, lays in the center of the Goose-egg-shaped High-grade Manganese Ore field, formerly known as the "Anderson" field, now known as the "Lafferty"field, consisting of only a few thousand acres of land, formerly producing High-grade ore.

Since 1917, this 280 Acre tract has been owned by Martin, who has refused all offers of Lease or Sale, hoping to Mine it himself, until he was overtaken by old-age and infirmity. In 1918, considerable development work was done on this land. Since that time, NOTHING. It is now grown up with brush briers and Timber.

From adjoining land, Manganese Ore was shipped Car-load lots. (See U.S. Government Bulletin No. 734, pages 252-253-254). Adjoining Mines were known as "Sand-field", Manganese-field", "Ruminer Rough", Barksdale", on the west; - "Fulbright", Caraway", "Wilson" and others on the North: "Skelton", "Earl Collie", "Pittman", - "Carraway", "Weaver" "Tates", on the Southwest and South. In fact, on all sides including the east, prospects and mines were opened up in 1918, but NOTHING done in any of them, since.

This tract of 280 Acres is located about 30 Miles South of "Bull-shoal-Dam", a Government development of Hydro-Electric Water Power, which can be utilized at this Mining Effort, Nature has built a Dam-site on this 280 Acre tract, at the foot of a Mountain of Manganese, and in 1918, it was recommended by the Engineers, and recognized by the Government. (See Government Bulletin 734 page 91.), that a Hydraulic Plant be established here, to wash down the Mountains, and was-up the Valleys;l making it an easy way to recover the Manganese on this property.

EXHIBIT B.

Gov 4
(b) In explanation.

PAST PRODUCTION.

Adjoining Mines to this 280 Acre tract, is fully described in U. S. Government Bulletin No. 734, at page 245-252, showing also the production of Ore, quanity and quality of 12-Car-load shipped to market, which show better average than 55% MN. Engineers say that the Ore all over the field, is alike, in other words, what is on adjoining land, must be on this 290 Tract.

Of late samples of Ore from this 280 Acre tract, show High-grade Manganese. See Analyses attached.

For a better understanding, this suggestion may be made.

The Batesville-Cushman-Anderson Mining District, consists of two Fields, The Cushman or low-grade, and the Anerson of High-grade field. The Cushman field contains many thousands of Acres, while the Anderson or High-grade filed contains only a limited number of acres, not over 3,000. (See Penrose Survey, for U. S. Government of several years ago.). Where "High Grade Ore occurs", at the mines adjoining this 280 Acre tract, were worked in 1918, see U. S. Government Bulletin No. 734 page82).

In 1942, Secretary Ickes of the Interior, made a Report to the Congress of the United States, which will throw considerable light. Among other things he reported that a Tunnell had been sunk under a Mountain in Indepennence County, Arkansas, and gave the opinion of the Engineers of the Bureau of Mines, which worked under the direction of the Department, as to the approximate amount of Manganese in that locality, or within 1 mile from said Tunnel. So the theory of Tunnelling, has been tried out and found advantageous.

EXHIBIT C.

Gov. 4
(c) In explanation.
- - - - - - - - - - - - -

REASON FOR EXPLORATION.

On the Mountains, in this locality. Manganese Ore is mixed with Clay. In the Valleys, the Ore is covered with soil, from 2 to 5 feet deep.

Engineers in charge of development work in 1918, say that there are on this 280 Acre tract about 600,000 Tons of Manganese, and that the best, heavienst or richest ore lies on this bed-rock, a ledge of rock which exists in each Mountain and upon which each Mountain rests.

We desire to ascertain the facts. It will take a Tunnel under one of these Mountains, or will require a lot of drilling, shafts, excavation or other work, all of which runs into money fast. But if the ore is there, it will not take long to pay back the Loan. This kind of work is recommended by the Government (See U. S. Gov. Bulletin No. 734 page 89).

- - - - - 0 - - - - -

ACCESIBILITY

Gov. 4
(d)

This 280 Acre tract is located about 1 mile east of Anderson, (now Lafferty P. O.). About 5 miles NW Cushman, on the Mo. Pa.R.R. About 15 miles from Batesville, on the Mo.Pa.R.R. about 5 miles from Phossphate Spur, a station on the main-line of the Mo.Pa.R.R. County highways, are about the average country road, rough. Plenty of material handy, gravel, sand, &c, for improvements. Trucks everywhere, day and night.

The Transportation question can be easily solved, by building about 5 mile of standard guage railroad, from Mines to Phosphate Sprur, to be operated by either the Mo. Pa.R.R.Co. or by Electricty, generated at Mines, which should insure the production of Manganese at a low cost pr Ton". (See U.S.Gov. Bulletin No. 734 page 92).

EXHIBIT E.

Gov. 4 -
(e) In explanation.
- - - - - - - - - - -

WATER POWER.

This 280 Acre tract of land faces the West-bank of East Lafferty River, for about 1 mile. This River can be Dammed, at reasonable cost, empownding a sufficient supply of Water, for all purposes of an up-to-date-Hydraulic Plant with which the Valleys can be washed up, and the Mountains washed down.

The Law of the State of Arkansas permits such. (Sec. Opinion of Attorney General hereto attached).

Such Hydraulic Plant, working day and night, can produce about 50 tons of Manganese Ore per day. If such a project be started, it would open-up this entire High-grade Field, and start all Mines to work. The U. S. Bureau of Mines recognizes the value of Water-power? (U.S. Bulletin 734 page 91).

SMELTER, has a natural location here. It would be liberally patronized even from the Cushman field. This Smelter can be built out of the profits, later on, after the Mine gets to running or operating.

- - - - 0 - - - - -

EXHIBIT F.

Gov. 5 - - -
(h) In explanation.
- - - - - - - - - - - -

PROPOSED DEVELOPMENT

We intend to make a thorough investigation and exploration of this tract of land and locate the Manganese Ore, so it can be Mined.

A Tunnel under a Mountain, on top of and following the bed-rock, upon which the Mountain rests, should develop the quantity and quanity of the Ore. Also, it will require drilling, shafts, excavations. The Valleys will also have to be developed, as the Government says, there are large chunks of Ore, weighing from a few pounds to as high as 3,468 pounds found therein. The Government also recommends Tunnels and shafts and drilling. (U. S. Gov. Bulletin 734 page 736).

EXHIBIT G.

Gov. 6
In explanation.
- - - - - - - - - - -

ESTIMATE OF COST.

This is a difficult thing to give. The costs vary from time to time-change from day to day, sometimes depend upon conditions.

If all the work contemplated is done, it will cost about - - $100,000.

We expect to use a Buldozer extensively, to clear off and level different portions of this tract, for better operation. In this locality a Buldozer costs from $100. to $150. per day. Steam-shovel costs about the same, per day. Dump-cars and Trucks, to rent, depends on conditions. Sometimes, they cannot be hired at any price. All Mining materials are high, and still going up.

For a thorough development, $100,000. is not excessive. It may not take that much. When Ore is paying quantities is found, then Mining begins.

- - 0 - -

EXHIBIT H.

Gov. 6
(f) In explanation.
- - - - - - - - - - - - OPERATING MATERIALS & SUPPLIES

Among the necessary materials and supplies, will be the following: Hand-tools, saws, hammers, sledges, wheelbarrows, picks, shovels, wire, rope, schreening, screws, nails, lumber, hinges, belts, &c.

(d) Operating equipment; Bulldozer, Light-plant, Pumps, Hose, wire, small-railroad-tracks, lighting system, windlasses, buckets, pulleys, slucing, jigs, blower system for ventillation, heavy-timbers for supports in Tunnel, equipment for washing and contentrating ore, &c. Screening system, various ores, from dust to larger size, &c.

- - - - 0 - - - -

Gov. 6
(g) In explanation
- - - - - - - - - - - NEW BUILDINGS.

Dwelling, living quarters, with Office attached. Living quarters for help. Storehouse for supplies. Buildin for Electric Light Plant. Sam for water, of rock and cement, spill-ways, tile, Building for washing and concentration of ore, Settling-pool or basin, conveyors, &c.

(g) Usual charges for repairs. Usual fees.
(h) Contingencies, - - - - - - - - $5,000.

- - - - - -

BUREAU OR OFFICE DMEA REQUISITION NO. 52256

	11½"	18"
SIZE OF PAPER		
MATERIAL CHARGED		5
WASTE		

TOTAL USED 5

REMARKS:

To be returned to
K. Bruce Monroe
4122 Campbell
Kansas City, Mo.

HIGH GRADE MANGANESE FIELD OF ARKANSAS

PROPOSED RAILROAD SOLVES THE MINING TRANSPORTATION QUESTION

DMEA-3124

ERNEST D. MARTIN
ATTORNEY AT LAW
2003 EAST 34th ST.
KANSAS CITY, MISSOURI

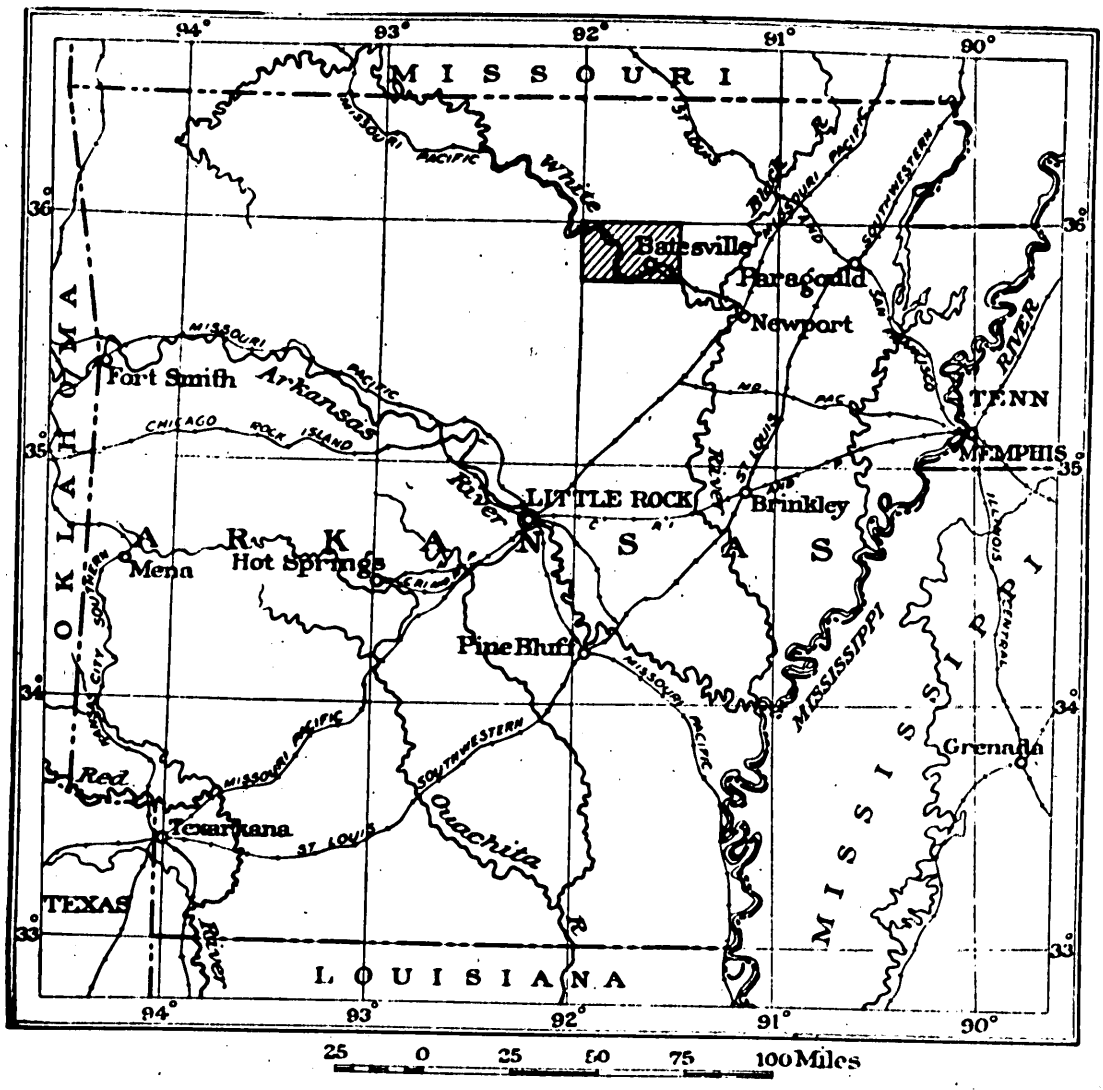


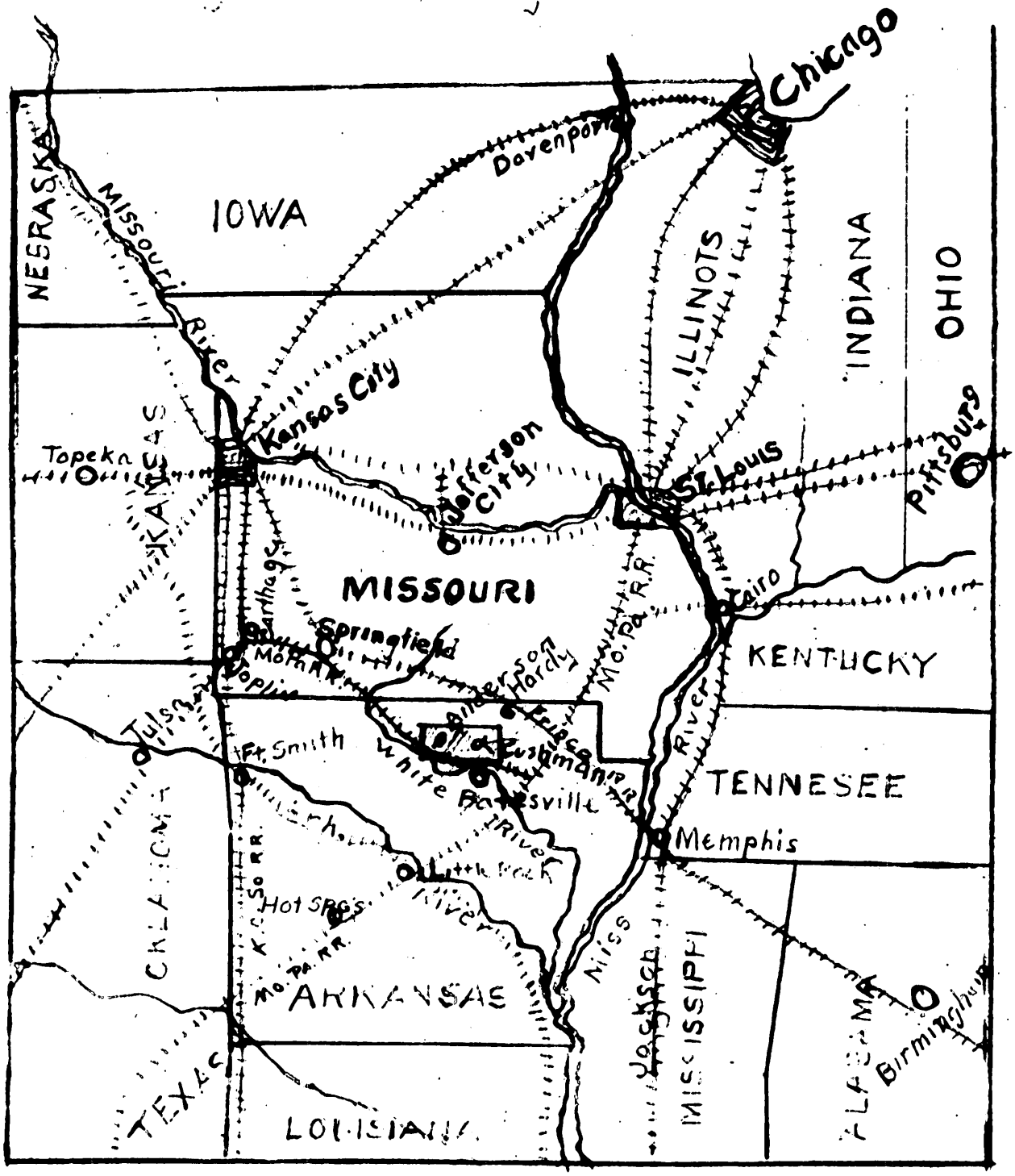
FIGURE 12.—Index map of Arkansas showing the location of the Batesville manganese-ore district.

DMEA-3124

ARKANSAS ORE DEPOSITS

Batesville-Cushman-Anderson

Manganese Mining District



DMEA - 3124

BATESVILLE-CUSHMAN-ANDERSON

MANGANESE DISTRICT.

STATE OF ARKANSAS.

DMEA-3124

REFERENCE:- ---

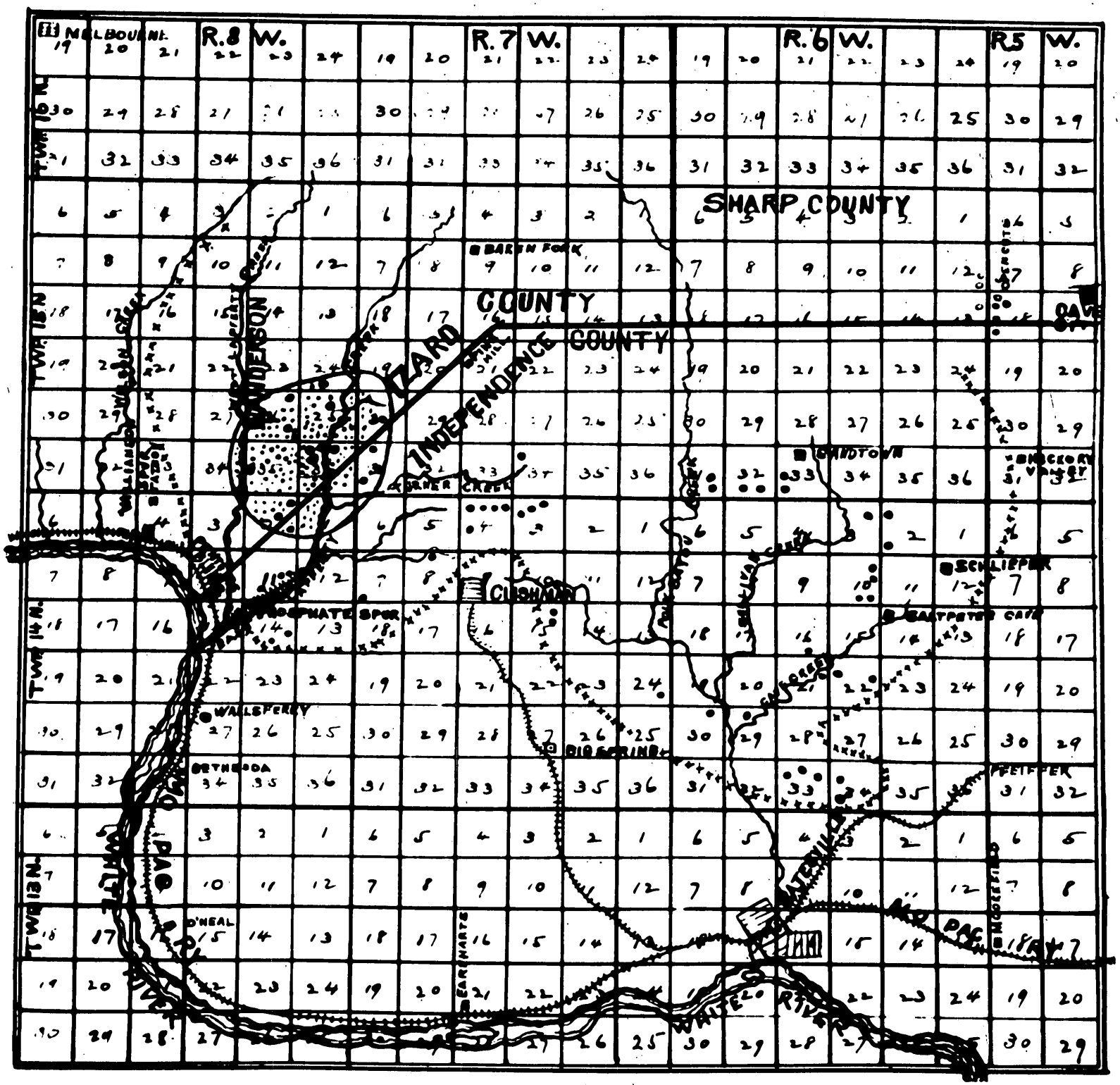
Scale: 2-1/2 miles to inch.

X X X Limits of District, shown by surface deposits.(Penrose).

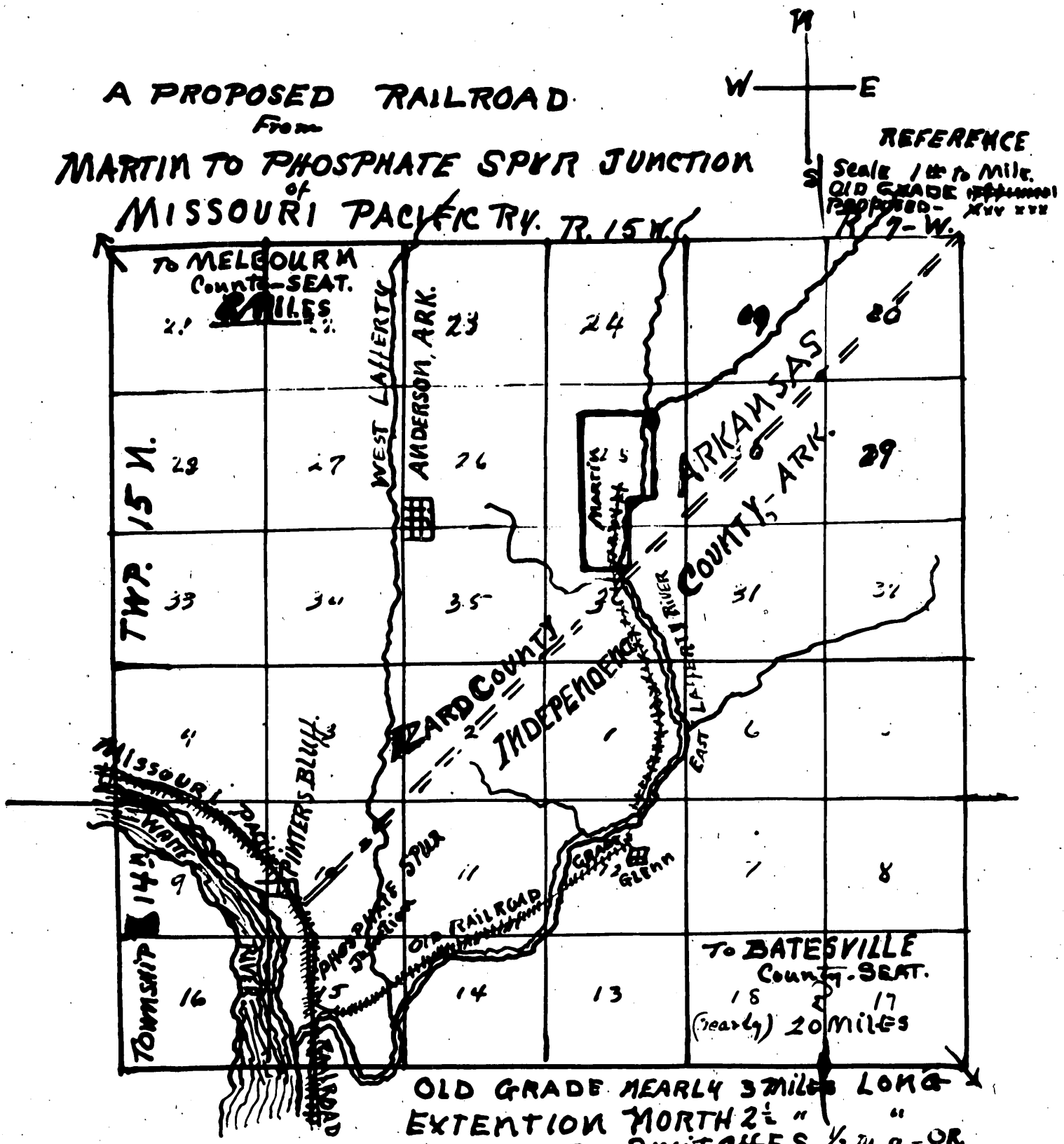
●●● Mines worked before 1890. (Penrose).

○ Limited territory of highest grade Ore. (Keyton).

... Workings in Anderson Field. September 21,1918.(Martin).



A PROPOSED RAILROAD
From
MARTIN TO PHOSPHATE SPUR JUNCTION
of
MISSOURI PACIFIC RY.



OLD GRADE NEARLY 3 MILES LONG
EXTENTION NORTH 2½ " "
SIDINGS and SWITCHES ½ mi. " - OR
6 MILES of RAILROAD TRACTS.

OMEA-3124

ERNEST D. MARTIN
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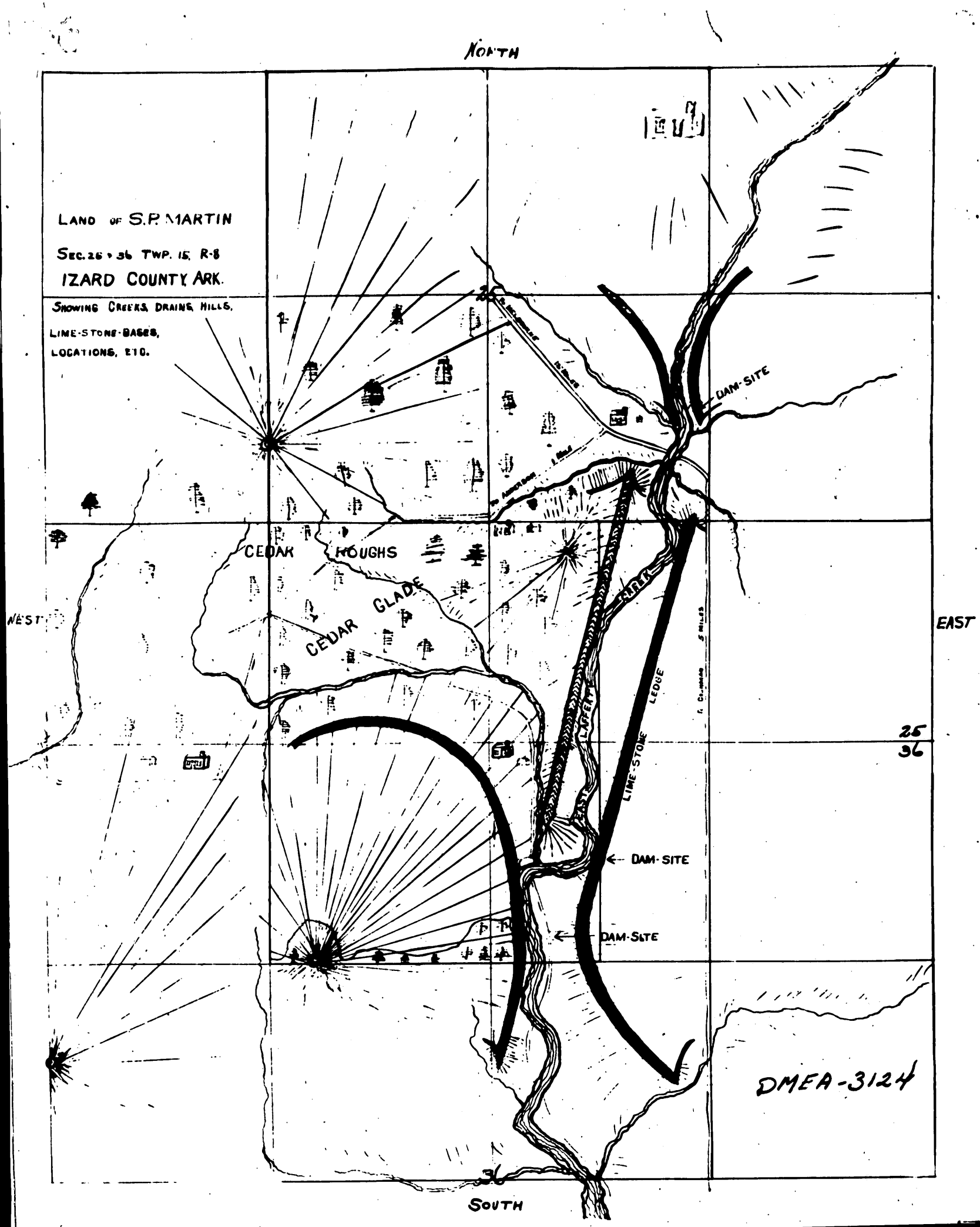
2003 EAST 30th ST.
KANSAS CITY, MISSOURI


NORTH
LAND OF S.P. MARTIN
SEC. 25 & 36 TWP. 15, R-8
IZARD COUNTY, ARK.
SHOWING CREEKS, DRAINS, HILLS,
LIME-STONE-BASES,
LOCATIONS, ETC.
DAM-SITE
CEDAR HOUGHS
CEDAR GLADE
WEST
EAST
CREEK
LAFEN
LIME-STONE LEDGE
EAST
25
36
DAM-SITE
DAM-SITE
DMEA-3124
SOUTH

To be returned to
K. Bruce Brown II
4122 Campbell
Kansas City, Mo.

HIGH GRADE MANGANESE FIELD OF ARKANSAS

PROPOSED RAILROAD SOLVES THE MINING TRANSPORTATION QUESTION

DMER-3124

ERNEST D. MARTIN
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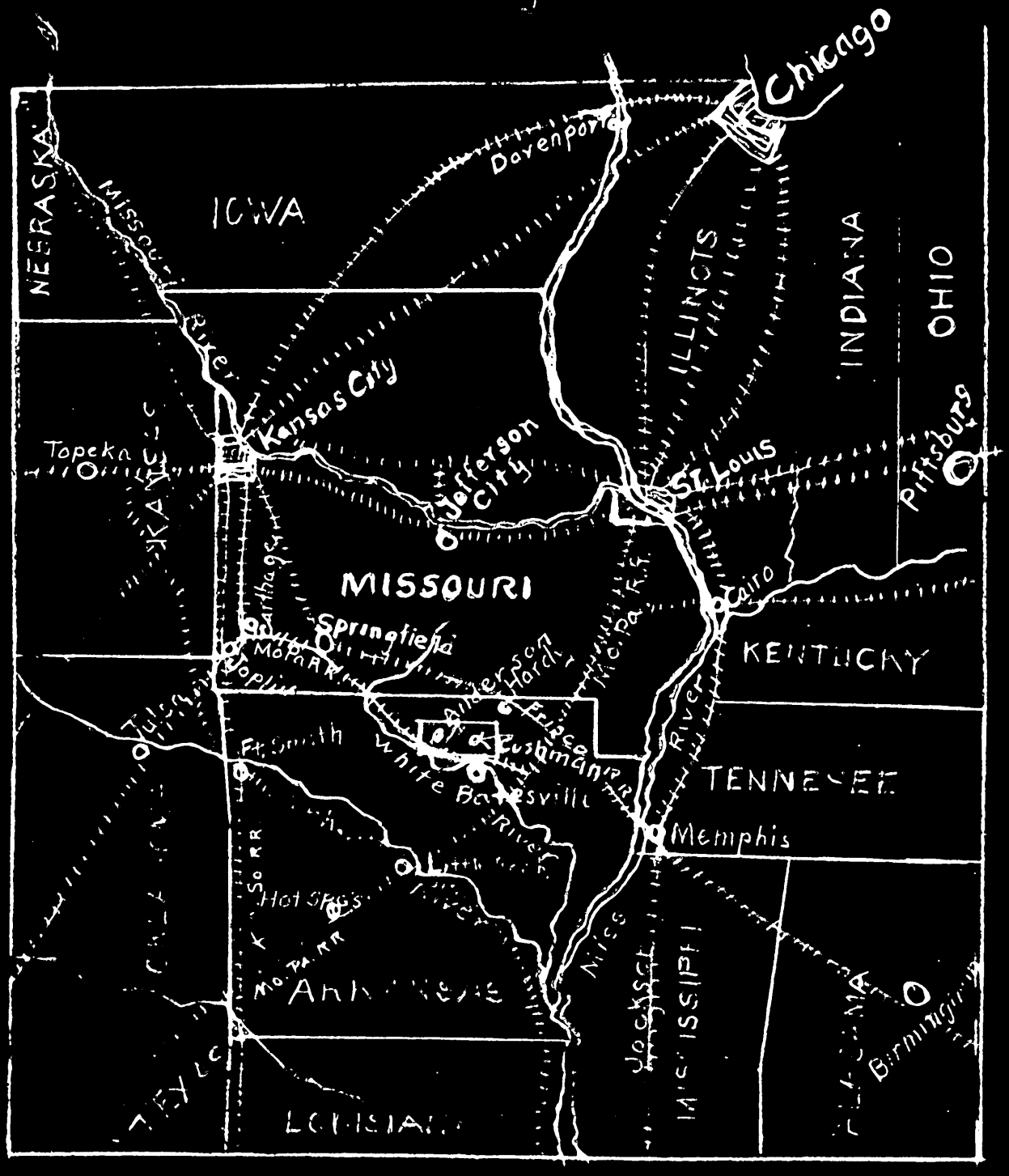
2003 EAST 34TH ST.
KANSAS CITY, MISSOURI

ARKANSAS ORE DEPOSITS

Batesville-Cushman-Anderson

Manganese Mining District



DMEA - 3124

BATESVILLE-CUSHMAN-ANDERSON

MANGANESE DISTRICT.

STATE OF ARKANSAS.

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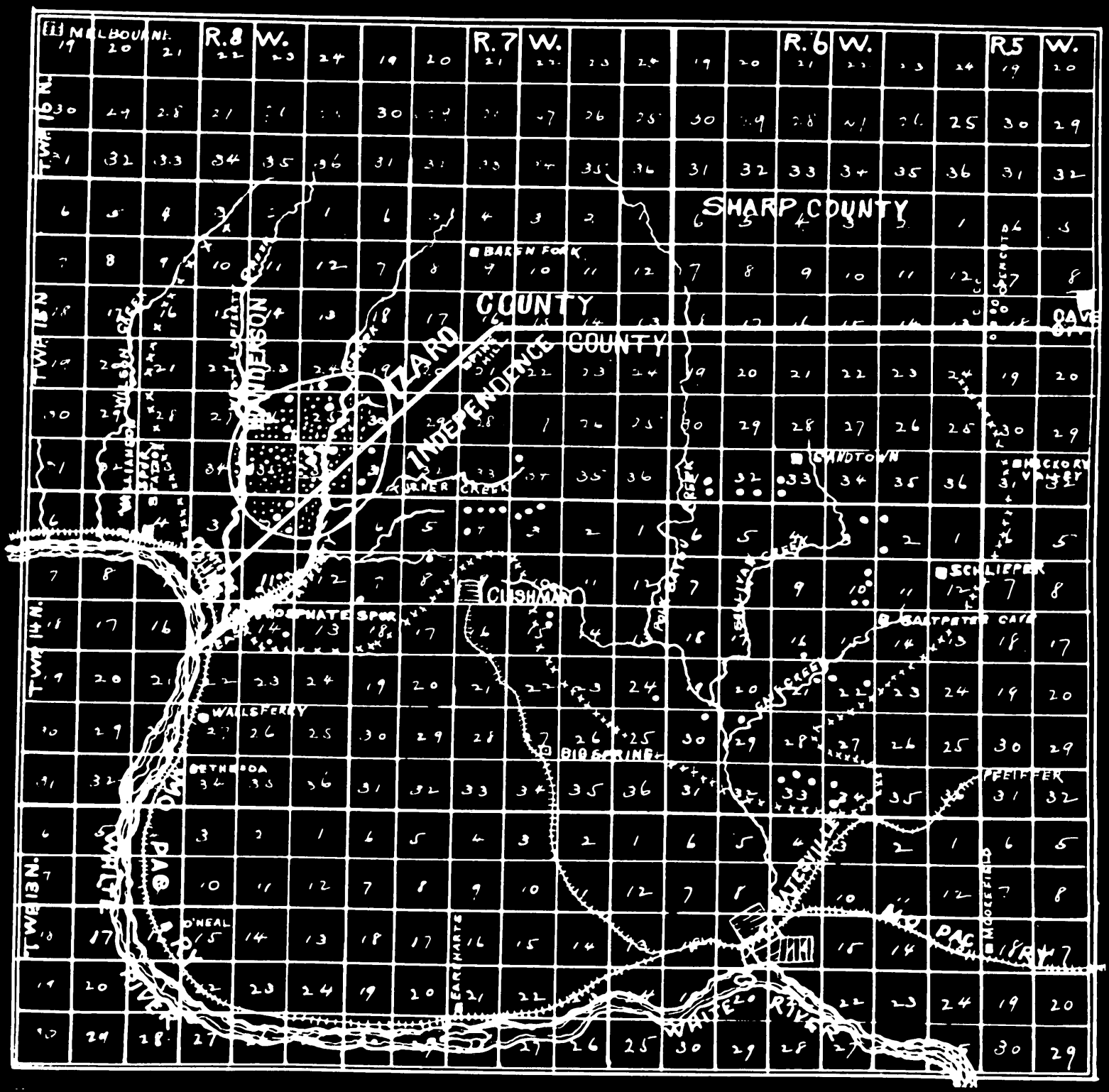

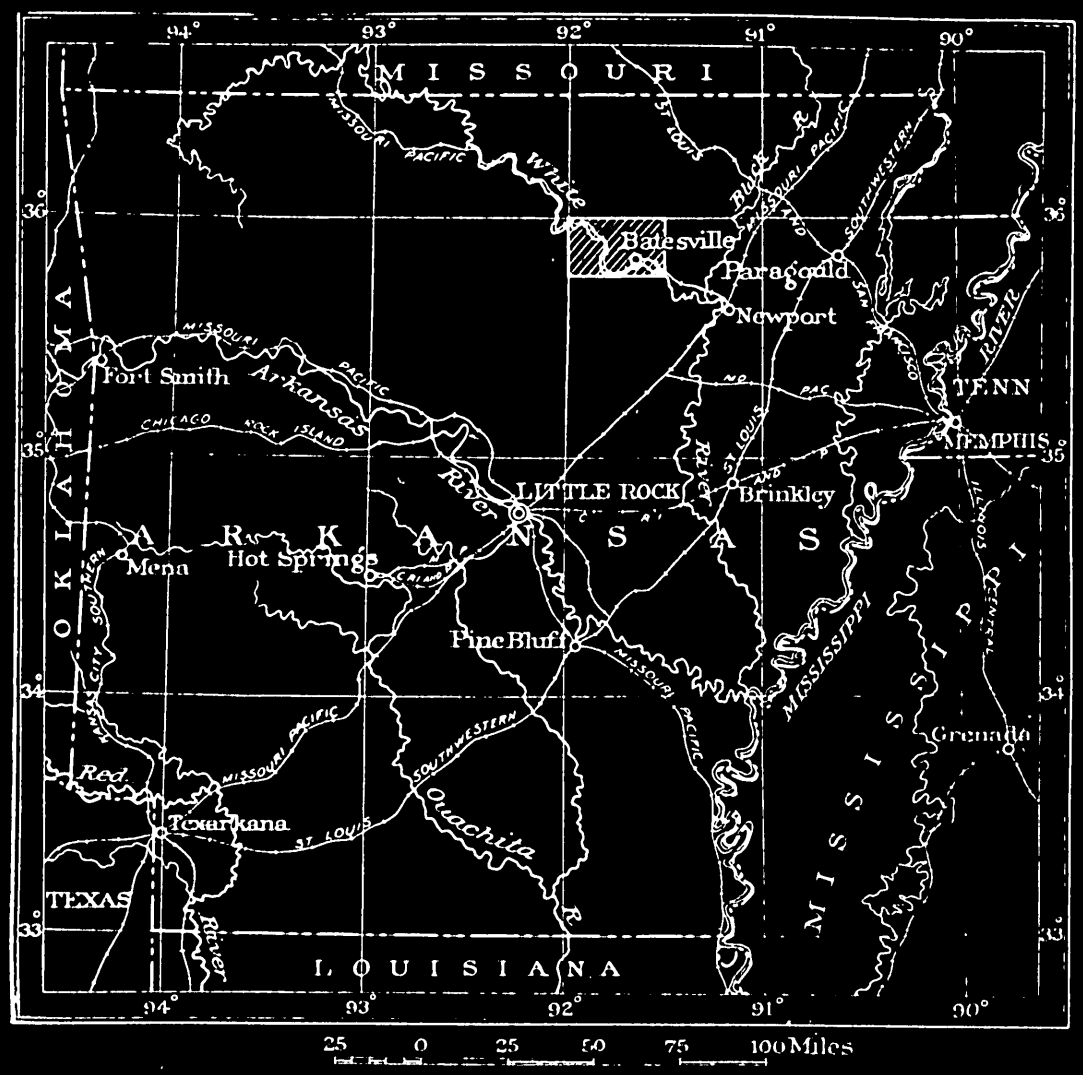

FIGURE 12.—Index map of Arkansas showing the location of the Batesville manganese-ore district.

D1120-312

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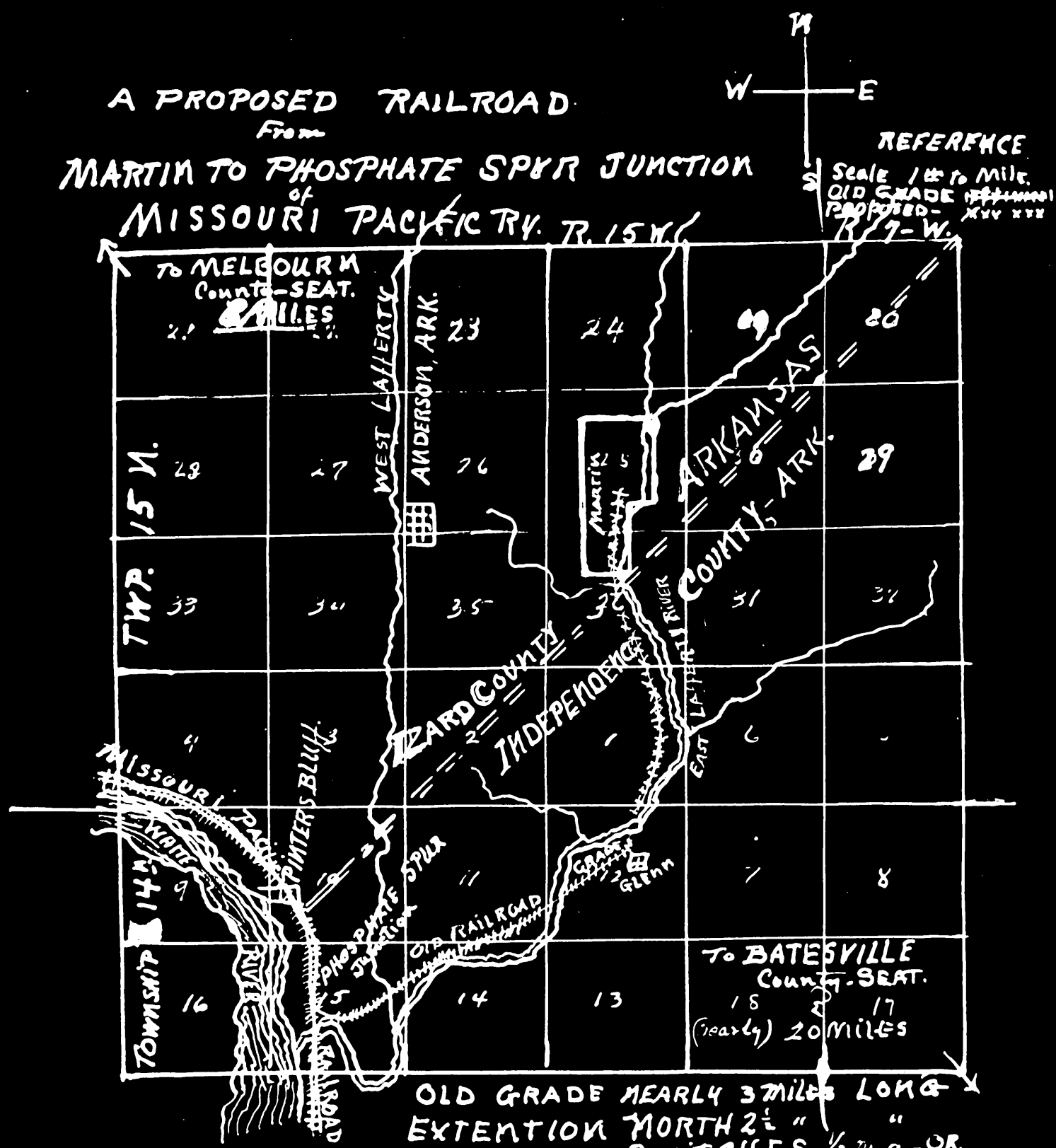

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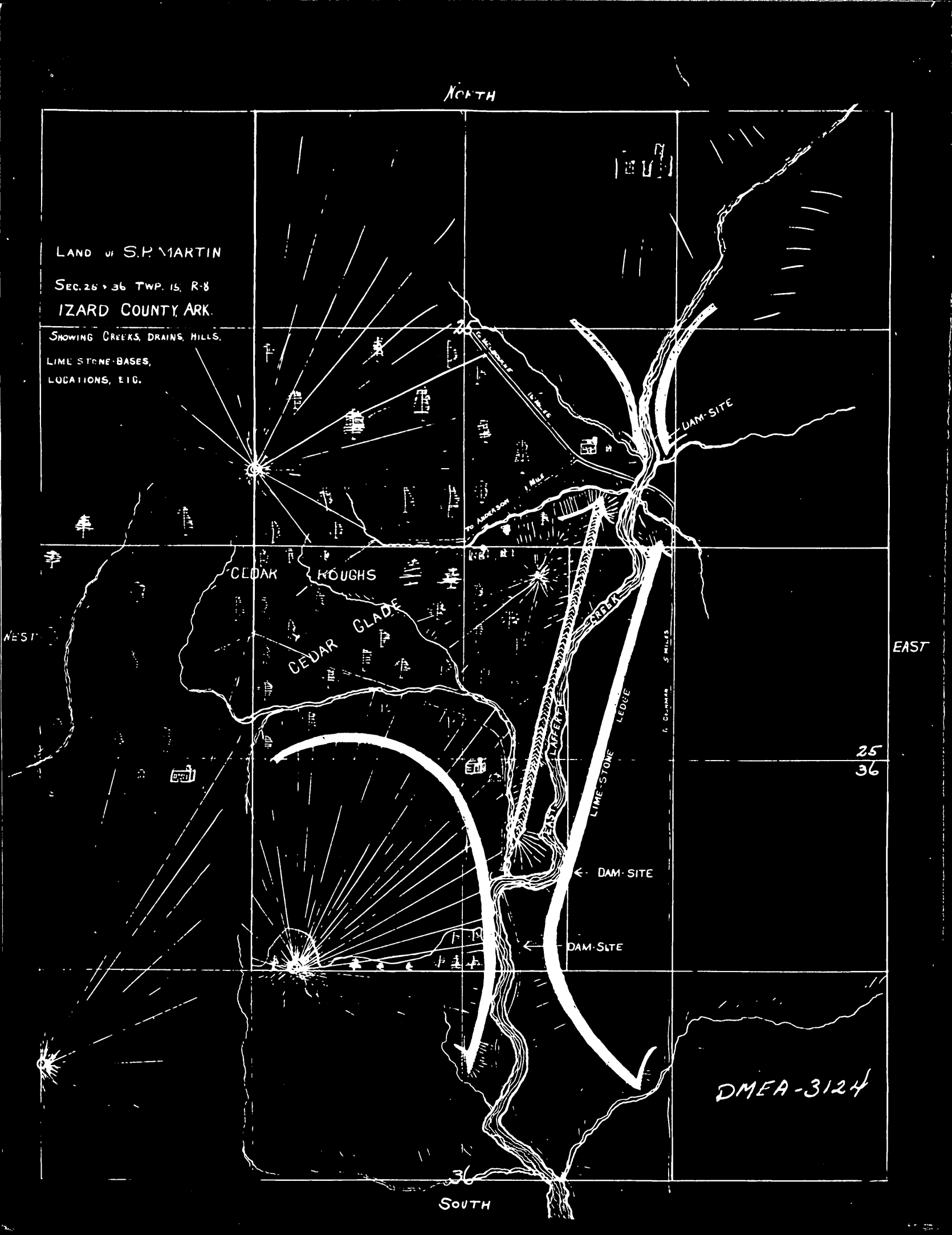
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DMEA-3124
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SOUTH