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NOV 1 0 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Docket No. DMEA-3569, Manganese
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Reference is made to the above-docketed application for exploration assistance and our letters to you of December 16, 1954, and January 24, 1955, requesting additional information needed to process the application. Reference is also made to letters of May 9, 1955, and September 12, 1955, addressed to you by Mr. Clinton C. Knox, Executive Officer, DMEA Field Team, Region IV, Joplin, Missouri, requesting this same information.

As no reply has been received from you, we assume that you are no longer interested in obtaining Government assistance in an exploration program at the captioned property. The subject docket, therefore, is being transferred to our inactive files and closed in accordance with the letter of September 12, 1955, sent you by Mr. Knox.

This action is taken without prejudice to the property. If at some future date you wish to renew your application, we shall be glad to consider your request, properly supported by the specific data outlined in the above-mentioned letters and referring to the docket number of the subject application.

Sincerely yours,

E. O. Mittendorf

Administrator

cc: Docket
Code 400
Adm. Read. File
T. Killsgaard, USGS
G. DeHuff, USBM
Field Team, Region 4

LScott 11/9/55

IN REPLY REFER TO:

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RECEIVED

NOV 18 1955

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

November 17, 1955

Re: DMEA 3569 (manganese)
Arkansas Mining & Exploration Corporation
Box 312
Batesville, Arkansas

Memorandum

To: W. G. Martin, Defense Minerals Exploration Administration

From: Henry R. Cornwall, U. S. Geological Survey

Subject: Field Team Report on Docket DMEA 3569 (manganese)
Arkansas Mining and Exploration Corporation
Box 312, Batesville, Arkansas.

The Field Team report indicates that: 1) the manganese property under consideration is an unpromising prospect, capable at best of only a negligible production; 2) the applicant is unable or does not want to file an adequate application, even after repeated requests and suggestions from the Field Team and the officials of DMEA.

I agree with the Field Team recommendation that the application be denied without prejudice.

Henry R. Cornwall

HRCornwall:jeh
11/17/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
G. DeRuff, 3521 Int.

3569 - Mn 10/5- f-up

Arkansas Mining & Exploration Corp.

9/2/55--We told FT to give A a 30-day ultimatum to provide data or we withdraw application.

FO'C

Won't this take a memo to Adams saying it has been withdrawn?

Needs ltr to applicant confirming we took action Knox told applicant would be taken.

LS

WSM 11/3/55

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
NOV - 2 1955

P. O. Box #431
Joplin, Missouri

October 28, 1955

Memorandum

WBM

To: DMEA Operating Committee, Interior Bldg., Wash. 25, D. C.

From: Clinton Knox, Region IV Field Team Executive, Joplin, Mo.

Subject: Field Team Examination Report
Application Docket DMEA-3569 (manganese)
Arkansas Mining & Exploration Corporation
Box 312, Batesville, Ark.
$47,745 exploration project proposal on
Sec. 16, T. 14 N., R. 6 W., Independence County, Ark.

Summary, conclusions, and recommendations:

Some of the talus deposits along canyon walls of manganiferous Fernvale (Ordovician) limestone on this applicant's 800-acre property contain residual accumulations of manganese oxides amenable to selective open-cut mining, washing, hand-picking, and gravity concentration. From 1940 through 1942, the American Zinc Co. and the Bureau of Mines (R. I. 4859) explored the largest such favorable talus-residuum area where some mining has been continued by the applicant on the west central edge of section 6 and extending into section 17. The only area remaining on the property appearing to me to warrant exploration, is some five acres of such talus in the so-called Sawmill Hollow on the south edge of section 6. Karst topography on the limited bordering exposures of the Fernvale limestone formation indicates only small "sink-hole" structures in which I doubt that worthwhile deposits of manganese-bearing residuum could have accumulated. Elsewhere throughout the south half of the applicant's property, the cover of Mississippian Boone chert discourages hope that significant manganese ore concentrations could be found underneath in the Fernvale limestone (the Cason shale evidently is absent throughout this property). With the exception of possibly important manganese-bearing outliers of Fernvale limestone, more or less weathered in place on the three highest hilltops, erosion has removed the Fernvale throughout the north half of the applicant's property.

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

The applicant has not presented any specific exploration plan, realistic cost estimates, geologic or engineering justifications, nor responded to the repeated requests and suggestions for such from the Field Team and Washington Offices of DMEA throughout the past year since the inadequate application was filed. Nevertheless, the examination request by the DMEA Operating Committee was received by the Field Team on January 26, 1955; Louis Pavlides, USGS, Washington, in Batesville on another assignment, upon direct instructions, had made the geologic examination for the Field Team on January 25.

Upon receiving the impression from the applicant that the repeatedly requested data finally had been compiled, I journeyed to Batesville and completed the Field Team's examination on the property March 2, accompanied by the applicant's representatives, Mr. Harry H. Halloway and Mr. Marshall McGee, and the Bureau of Mines' engineers stationed in Batesville, James Cooper and Harry Kline.

Mr. Herman Miller, President of the applicant corporation, joined us in discussions that evening when I reiterated point by point the essential data required with an application to afford proper Field Team evaluation of an exploration proposal. I also emphasized that submittal of all that data by no means would automatically guarantee approval of their application.

Virtually none of the requested essential data were found available, however, either in the Batesville Offices of the Arkansas Mining & Exploration Corp., or the Bureau of Mines. On May 4, the applicant advised that its consulting geologist would be delayed in completing the requested detailed geologic mapping of Sawmill Hollow.

Receiving no further information concerning this application, finally, as suggested in a letter from the DMEA Operating Committee, I notified the Applicant on September 12 that unless its revised application and/or all the specifically requested data were received within thirty days, the application docket would be placed in the inactive files. Since no reply to that notification has been received, this memorandum is prepared to advise, and to complete your records in that docket with what information and impressions I was able to obtain. Your suggested placing of the docket in the inactive file presumably is tantamount to my recommendation herewith that the application be denied without prejudice to the property, or at least to the most favorable appearing five acres thereof in Sawmill Hollow.

Property location, ownership and description:

The applicant's property, known as Section 16 site, or the Adler, is five miles due north of Batesville, Arkansas, and in

addition to Section 16 also encompasses the N/2 NW/4 and the NW/4 NE/4 of Section 21, adjoining on the South, and the NW/4 NW/4 of section 22, cornering on the southeast, about 800 acres altogether, all in T. 14 N., R. 6 W., Independence County, in the Batesville manganese mining district of Arkansas.

The applicant reported that its ownership of the property was subject to some $70,000 in outstanding promissory notes to the Agent for the previous owners of the land but that a Subordination Agreement would be obtainable therefrom at the proper time.

From Batesville, the property is reached by traveling three miles northeastward on Arkansas State Highway 11, then turning onto an unimproved country road northwestward for three miles along Cave Creek and thence northward a mile up Sawmill Hollow on a new access road bulldozed by the applicant. It connects with an old road at the center of section 16 which leads westward to the applicant's manganese ore washing and concentrating mill operating in the adjoining section 17.

The property is rugged rocky woodland but generally accessible for mining purposes the year-round. Relief ranges from 350 to 720 f.a.s.

Except for the mentioned newly bulldozed access road, no facilities exist in the Sawmill Hollow area under consideration here. Three test open-cuts also had been bulldozed there near the south line of section 16 which constitute all the mine workings evidenced there (see my sketch map attached to indicate the principal physical features of the applicant's property). The applicant's representatives mentioned that only a small production had been obtained from those cuts but some favorable-appearing exposures of manganese oxides remained in those excavations both in the unconsolidated talus-residuum and in planes of weakness in the solid Fernvale limestone wall rock.

Considerable production is believed to have ensued from intermittent digging operations in the indicated ore deposit on the western edge of section 16 and extending into section 17 by various concerns, dating at least back to 1942 when the American Zinc Co. of Arkansas, and the Bureau of Mines (R.I. 4859) had explored that area. During the past two years, production was resumed there by the applicant. The available production figures, however, cannot be broken down to the individual tracts of land. The applicant stated that it shipped 36 carloads of manganese ore and/or concentrate from its operations mostly in section 17 during the last half of 1954 and that its production rate beginning 1955, was 100 tons

of concentrate per week averaging 45 percent manganese which was being sold to General Services Administration. Probably only a very small part of that production, however, was derived from the tracts presented on this exploration application but the tenor of the ore in these deposits are expected to be found similar.

The engineers in the Batesville Office of the Bureau of Mines, in connection with a continuing project to catalogue the various manganese deposits in that district, have become most experienced in estimating potential production therefrom. They expressed the opinion that the inferred reserves which could be selectively mined from the talus-residuum deposits in Sawmill Hollow might amount to 8,000 tons having an average ten percent manganese content which could be upgraded with the log washers, jigs, and picking belt in use in such district plants, to probably supply 1,200 tons of marketable manganese ore and/or concentrate.

The applicant's mining tests in Sawmill Hollow, similar to the method generally in practice in all such district mining, included hand picking of the large hard lumps(the so-called "niggerheads") of obviously highgrade manganese oxide ore in the excavations after each pass of the bulldozer blade. Mr. Marshall McGee, in charge of production operations and his workmen with years of experience in selectively mining, sorting, and blending the Batesville ores into a marketable product, have become most adept at visually estimating the manganese content of the ore and recognizing telltale signs of penalizing elements therein. That highgrade lump ore was trucked directly to the railroad loading point in Batesville for shipment generally to a Government stockpile for such in West Virginia. High freight rates preclude shipping any of the lower grade Batesville ores to the Government's purchasing depot for such at Deming, New Mexico. The pockets of clayey residuum uncovered in the excavations which obviously contained appreciable amounts of the hard buckshot-like manganese oxides, were loaded and trucked to the applicant's previously mentioned washing and concentrating plant for upgrading to a marketable product which is shipped with the above-mentioned lump-type ore. Concentrating efficiency is evidently generally low and of course, the wad and manganese-bearing clay also are wasted. Lucrative-appearing stringers of manganese oxides in the bedding planes and fractures of the Fernvale limestone walls of the canyon, also likewise selectively exploited by sidehill stoping and adits, pinched after being followed only a few feet.

In rare instances in this part of the district such stringers have proved reliable leads to the small "sink hole" deposits. On the applicant's property, however, dissolution actions necessary for the natural development of any important deposits of that type evidently are only in the early stages as compared with

some other areas of the district such as on Westmoreland's properties (Dockets MDA-197X and DMA-2002X), five miles to the west, where only the characteristic Fernvale limestone "pinnacles" remain interspersed in the large manganese-bearing residuum deposits.

Recent test drilling two miles south of the applicant's property and reconnaissance mapping and sampling by the Bureau of Mines on the project in progress to catalogue in detail the various manganese deposits, throughout the district, indicate that certain areas of the Fernvale limestone in place contains roughly five percent manganese generally in the form of disseminated oxide minerals. Such Fernvale limestone can generally be identified visually as I noted in the canyon walls of Sawmill Hollow. I tentatively concluded that worthwhile manganese-bearing talus-residuum deposits will not be found except in canyons or large "sink holes" within those particular manganese-bearing areas of the Fernvale limestone and where prolonged weathering has sufficiently concentrated the manganese mineralization and leached part of the original high phosphorus content.

The applicant:

In this relatively new applicant corporation, the abilities of two of the principals, Messrs. Miller and Halloway, are well-known to DMEA and several Government Agencies in connection with dealings of the Westmoreland Manganese Corporation; Mr. Marshall McGee, the third principal, appeared to be a capable mining engineer and operator reportedly with many years of successful manganese ore buying and producing experiences in the Batesville district. Messrs. Miller and McGee are believed to be financially responsible but I understand that virtually all Mr. Holloway's assets were expended on the now defunct Westmoreland Corp.

During the discussions, I gained the impression that in this new association together, Mr. McGee was to furnish the know-how, some equipment, and mining properties and conduct all production operations in return for the supplying of some operating capital and properties by Mr. Miller and the exertion of all Mr. Holloway's efforts to affect explorations which would maintain ore reserves at a comfortable level. I noted in discussions in Mr. McGee's presence, Messrs. Miller and Halloway seemed to display much eagerness to promote the proposed exploration operations, but in the absence of Mr. McGee the interest in maintaining ore reserves for the future obviously was lacking possibly because Mr. Miller did not wish to advance the necessary funds. It is understood that attempts have been made to sell all the applicant's properties and equipment and that the remaining known ore reserves now appear to be very small.

The exploration proposal:

The applicant presented no specific exploration plans, no realistic project cost estimates, no indication of the geologic controls to be recognized in properly carrying out such an exploration, and no assurances that its share of the cost of the proposed project would be provided.

Since the advent of more or less large-scale mobile earth-moving machinery for open-cut mining of the talus-residuum deposits in the Batesville manganese district, I doubt that much actual exploration work in advance of exploitation, except for a nominal amount of preliminary prospect trenching, is justifiable there. A very few exploratory drill holes and/or test shafts to cross section at wide-spread intervals such canyons and significant-appearing "sink-hole" depressions as at Sawmill Hollow, might be helpful in planning spoil disposal so that the possibly important lower lying ore deposits would not be buried as may be the case in some of the present "blind" mining excavating practices. Practicable conservation otherwise by developing more efficient beneficiation methods would be most helpful. The use of an earth socket in significant manganese-bearing zones probably would result in more reliable churn drill hole sampling thus eliminating the need for so much follow-up test shafting as practiced in past explorations.

Somewhat on the foregoing basis, I substantially repeated to the applicant the suggestions previously made by Pavlides (USGS) for its limited project proposal in the five-acre Sawmill Hollow area, and reiterated those suggestions in my May 9 letter to the applicant. No response has been forthcoming.

Clinton C. Knox
Clinton C. Knox
Mining Engineer

CCK/vks

cc: DMEA Op. Com. (3)
3569 file
Knox

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Geological Survey Bldg.
Agricultural Research Center
Beltsville, Maryland

February 3, 1955

Memorandum

To: Thor Killegaard

From: Louis Pavlides

Subject: DMEA Docket No. 3369
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

In accordance with our telephone conversation of Jan. 24, office conferences and a field examination of the properties of the Arkansas Mining and Exploration Corporation were carried out by me in respect to the subject docket. Prior to contacting the applicants, I phoned Mr. Knox at Joplin, Mo. explaining the unexpected circumstances under which it was decided to have me make a field examination of the subject properties and asked if he could join me for this examination. Because of pending business, he was unable to join me for a joint examination, but agreed, that under the circumstances, it would be permissable to make separate examinations. After conferring with the applicants and examining their property, I again called Mr. Knox and informed him of my findings and the applicants decisions. In view of this conversation, Mr. Knox decided to defer examining the properties pending further action by the applicants to be described below.

Two office conferences were held with the applicants; one preceeding and one following the field examination on Jan. 24 and 25 respectively. In the first conference the subject applicants were represented

by Mr. Marshall Mc Gee, a director of the corporation, who is in charge of mining and most field operations and Mr. Harry H. Holloway who has been designated to supervise the exploration program should such assistance be granted by DMEA. Their application was reviewed point by point and suggestions were made for revisions. A field examination was made of the property on Jan. 25 in the company of Mr. Marshall Mc Gee.

As a result of these conferences and field examinations Messrs Mc Gee and Holloway decided on the following course of action:

1) Write DMEA and ask that their present application be held in abeyance pending submittal of a modified version or possibly of a new proposal altogether. A carbon of this letter was to be sent to Mr. Knox.

2) Prior to submitting this new proposal they would retain the services of a consultant who would prepare working maps of a suitable scale on which would appear topographic contours, geologic contacts, the centers of sink hole depressions and the proposed churn hole sites of a small tract of land along Saw Mill Hollow.

3) The primary control in locating the churn hole sites would be the sink hole depressions, within each of which a churn hole would be proposed for a drill site. Radiating outward from and interspersed within these primary churn hole sites would be a network of secondary churn hole sites. These would be so located with respect to the primary network of holes that an overall pattern of drilling on 100' centers would be approximated. The lateral limits of drilling in the tract of ground within Saw Mill Hollow would be placed where the Boone chert overburden, which overlies the manganiferous Fernvale-Cason outcrop zone, reached a thickness in excess of 40 feet. This cut-off approximately corresponds to the slopes of Saw

Mill Hollow below the 600' contour. Thus, the number of churn holes proposed for drilling probably will not be 100, as proposed in their present application. The proposed drilling would probably be set up as the first phase of exploration to be followed by a second stage in which shafts would be put down on a density of one shaft for every 50 churn holes; the ultimate location of the shafts to be governed by the results of the drilling.

It was emphasized to Messrs Mc Gee and Holloway that even though they did submit a new proposal along the lines indicated above, it would not automatically guarantee that their application for aid in exploration would be approved; but that in so doing they would be only submitting an application that had been properly prepared and had the necessary information for a field team to properly evaluate their proposal.

Should the applicants comply with their verbal agreements and confine their exploration to Saw Mill Hollow along the lines indicated above, I will be able to appraise their new proposal without revisiting the property in the field. My geologic report will be made when their new proposal is submitted through BMMA. If, however, the applicants do not revise their proposal, it is recommended that the present application be denied for lack of specific targets for exploration and usable maps with a suitable scale on which churn hole sites are indicated. A more specific report recommending denial will be prepared should the applicants decide to go along with their present proposal.

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RECEIVED

SEP 16 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
P. O. Box #431
Joplin, Missouri

September 12, 1955

Copy mailed

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Application DMEA-3569 (manganese)
Section 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Miller:

Your application for exploration assistance has been held in abeyance in accordance with your request on February 14, 1955, to the Washington Office of the Defense Minerals Exploration Administration.

Your letter to me on May 4 advised that some further delay in furnishing the essential application data would be necessary. On May 9, I acknowledged your letter and reiterated the various data that were specifically requested to revise your application so that it can properly be appraised by the Field Team. To date I have not heard anything further concerning your application.

Therefore, I must advise that unless your revised application and=or all the specifically requested data are received within 30 days, the docket will be placed in the inactive file.

Sincerely yours,

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

CCK/vks

DMEA Op. Com (2)
3569 file

SEP - 8 1955

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

Re: Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration
Corporation
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

Referring to the subject docket, we find that on February 14, 1955, Mr. Herman Miller, President, Arkansas Mining and Exploration Corporation, requested us to hold his application for exploration assistance in abeyance and he would submit a new and revised application. On May 9, 1955, you wrote Mr. Miller concerning this application and requested further specific information.

To date we have not heard anything further concerning this application. We suggest you advise the applicant that unless he submits the revised application or the specific data requested within 30 days, the docket will be placed in the inactive files.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

P. F. Yopes

Member, Bureau of Mines

/s/ N. E. Nelson

Member, Geological Survey

TLChapman:foe
9-2-55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.
FT. REG. IV
Mr. DeHuff, USBM
Mr. Kiilsgaard, USGS

COPY DMEA Operating Com
Washington

400

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1955

P. O. Box #431
Joplin, Missouri

May 9, 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Application DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

This is to acknowledge receiving your May 4 letter, advising that completion of the geologic mapping by your Consultant, Mr. McElwaine, will be delayed until sometime in June. I plan to take a vacation, returning here on July 5. While I am away, I believe any questions that might arise or suggestions you might request can be handled to your satisfaction either by the Bureau of Mines' Batesville Office, or whoever is in my place here.

I have anticipated the delay you mentioned since, as you may recall, when I came to Batesville on March 1 in response to your February 24 letter, I found virtually none of the data available which your office and that of the Bureau of Mines in Batesville had been requested to prepare. With my examination of the property on March 2, when I was accompanied by Messrs. Holloway and McGee of your office and Messrs. Kline and Cooper, Engineers of the Bureau of Mines, I believe revisiting your property will not be necessary whenever the Field Team report and recommendations can be prepared. Also Mr. R. B. McElwaine, Consulting Mining Geologist of Little Rock came to this office on March 8, and discussed the preparation of data that had been requested from you. He explained that you had suggested some sort of tentative arrangements with him to prepare that data, including the geologic mapping, but that he had to go to Arizona then to fulfill previous commitments so would have to delay your proposed work. I am glad to assure you, however, that the delay you mentioned will in no way inconvenience the Field Team.

In addition to furnishing specific information concerning the types, tonnages, and grades of ore that you are treating on adjoining land, the treatment methods you are using and the tonnage and grade of the products shipped, as requested in the Administrator's December 16 letter

to you, I reiterate here for your ready reference the other data which Mr. Pavlides and I agreed would be necessary for you to submit to afford a proper evaluation of your exploration project proposal.

1) Specific details of a revised project proposal with realistic cost estimates.

2) A project map on a suitable working scale showing topographic contours, geologic contacts, sink hole structures, and proposed sites of exploratory drill holes and test shafts for the small acreage at Saw Mill Hollow, all to be prepared by a competent geological engineer.

3) Describe and illustrate the geologic controls or targets to be used in justifying the sites for the preliminary phase of the proposed exploratory drilling as well as the criteria under which the second stage drilling and/or test shaft sites would be located.

I wish again to emphasize here, however, that submittal of all the above-suggested data for a revision of your referenced application, still would not automatically guarantee its approval but would permit a proper appraisal by the Field Team, and subsequently by the Washington Office of DMEA, the Bureau of Mines, and the Geological Survey. I want you to be assured that reiteration of these suggestions here is merely an honest effort to assist you in every way that I can.

With best personal regards, I remain

Sincerely yours,

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

CCK/vks

cc: DMEA Op. Com (2)
Mr. Pavlides
3569 file

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1955

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O
P
Y

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

May 4, 1955

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
United States Department of the Interior
Joplin, Missouri

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Knox:

I am attaching a copy of a letter which we received from Mr. R. B. McElwaine this morning.

Since we do want to get Mr. McElwaine to finish the work here, there will be a delay in getting our data completed for our application.

I hope this delay will not inconvenience you in any way and I assure you, we will get this work finished as soon as Mr. McElwaine can complete his work.

Sincerely yours,

ARKANSAS MINING AND EXPLORATION CORP

/s/ Herman Miller,
Herman Miller, President

HM;ms
Encl.

C
O
P
Y

ROBERT B MC ELWAINE
CONSULTING MINING GEOLOGIST
P. O. Box 127
LITTLE ROCK, ARKANSAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1955

May 3, 1955

Mr. Harry Holloway
Arkansas Mining & Exploration Company
Batesville, Arkansas

Dear Mr. Holloway:

On Monday April 25 I called for you but you were out and I talked to Mr. Miller. I told him I was ready to come up and finish your job. He said he didn't know if Burton Arnold had finished the surveying so I called Burton. He said he had not been able to finish due to rain and other reasons.

On March 25 I spent a day in the field with Burton and we all anticipated that the survey would be completed in a week or ten days. Accordingly I made my plans to finish the work for you last week and had set that week aside for that purpose. In the meantime I had computed the notes and plotted the survey work that I had done. Also I had Farrell & Schaer blow the topographic map of the area I had surveyed up to 100 feet to the inch so that I could prepare a topographic map without having to resurvey the whole thing and thus save a great deal of time and expense. I asked Farrell & Schaer to bill you for this work and you have no doubt received their statement by this time.

Tomorrow I am leaving town to be gone about a month and will not be able to finish your job until sometime in June. I am sorry the matter has turned out this way but do not feel that it is any fault of mine.

If the extended delay is not permissible and you wish to get someone else to finish the job, it will be satisfactory with me and I will not make any charges for my services to date. When I return to the office I will check with you and if you still desire me to complete the job I shall be happy to do so.

Best wishes for your success.

Very truly yours,

R. B. McElwaine

RBM/he

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

C
O
P
Y

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ARKANSAS MINING AND EXPLORATION CORPORATION
Phone 1123
Batesville, Arkansas

February 24, 1955

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
United States Department of the Interior
Joplin, Missouri

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

Thank you for your letter of February 17, 1955.

If convenient for you, we would like to arrange to meet with you either Tuesday, March 1, or Wednesday, March 2.

If you cannot conveniently meet with us on either of the above dates, please advise what date would be most agreeable with your plans and we will arrange our schedule accordingly.

Yours very truly,

ARKANSAS MINING AND EXPLORATION CORP.

/s/ Herman Miller
HERMAN MILLER
PRESIDENT

HM:ms

NOTE: I plan to arrive Batesville the evening of March 1, but must continue on to Farmington, Mo., on morning of March 3.

C. C. Knox
C. C. Knox
Executive Officer
DMEA FIELD TEAM, Region IV

CCK/vks

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

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

February 17, 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Miller:

When Mr. Holloway telephoned me on February 3, I suggested tentative plans to confer with you, or your representatives and examine your property about February 23 to 26. Now it appears that I cannot complete urgent previous assignment before March 1.

Any possible inconvenience this postponement may cause you or your consulting geologist is regretted but if you will advise definitely on what date in March would be most convenient for you and your Consulting Geologist, I certainly will make every effort to schedule my trip accordingly.

Very sincerely yours,

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

CCK/vks

CC: DMEA Oper. Com. (2)
McElvenny (2)
Kline
3569 file

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

P. O. BOX 431
JOPLIN, MISSOURI

February 3, 1955

Memorandum

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

From: C. C. Knox

Subject: Field Examination, Application Docket DMEA-3569 (manganese)
Arkansas Mng. & Exp. Corp., Batesville, Ark.

Receiving of the telephone call from the subject Applicant's Office this morning (see enclosed copy of my Memo) reminded me that I had forgotten to write you a requisition for my tentatively planned trip. Therefore the attached requisition forms were prepared for the dates now tentatively planned.

Upon receiving your February 1 Memo this afternoon and the copy of your authorization for Kline to assist me at Batesville, I also sent him the information that my proposed visit there must be delayed at least until February 23.

CCK/vks

Clinton C. Knox

Enclosure (2)

cc: DMEA Op. Comm. (2 w/c of Memo)
Kline w/c of Memo
Rolla (2 w/c of Memo)
3569 File

Copy retained 200

11:20 A.M.
February 2, 1959

Note of Phone Call

From: H. H. Holloway, Arkansas Min. & Expl. Co., Batesville, Ark.

To: Executive Officer, DMEA Field Team, Joplin, Mo.

Subject: Field Examination, Application Docket DMEA-3569 (Manganese)

Mr. Holloway said that Mr. Miller, President of the Applicant Corporation, had been called to St. Louis for an indefinite stay due to the serious illness of Mrs. Miller. Although Robt. McIlwaine, Consulting Geologist of Little Rock had been engaged to prepare the necessary detailed maps and project proposal for the Applicant, sufficient progress could not be accomplished on that work by February 8 to justify my tentatively planned examination trip to Batesville then. Therefore, Mr. Holloway suggested that we plan on a later date when he, Messrs. Miller, McIlwaine, and others representing the Applicant all could meet at the Batesville office of the Bureau of Mines to start that examination. I explained that my schedule appeared to be filled until possibly Febr. 23 - 26. He thought that would be a suitable date but we agreed to make more definite arrangements as soon as practicable. He said he would continue to be in close contact with the Bureau's Batesville office in case it received any instructions concerning this matter.

Regarding the Applicant's estimated $4.77 per foot for overall cost of the proposed project churn drilling which had appeared questionable, Mr. Holloway thought we would find that to be a very conservative figure as shown by previous Batesville exploration work.

C. C. Knox

cc:
Rolla (3)
Kline
DMEA Op. Com. (2)
3569-file

Copy retained 202

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

~~P. O. Box 431~~
~~Joplin, Missouri~~

C
O
P
Y

P. O. Box #136
Rolla, Missouri

February 1, 1955

Memorandum

To: H. D. Kline

From: L. T. McElvenny

Subject: Application Docket D.M.E.A.-3569 (manganese) Arkansas Mining & Exploration Corp., Batesville, Ark.

Enclosed herewith is a file on the subject application sent me by Clint Knox with a request that you assemble available factual data on the indicated property and have it ready for him when he arrives in Batesville on February 8.

To complete his examination and prepare a report thereon, he will require information as to previous explorations, mining, ore production, class and grades of inferred deposits, probability of ore discoveries, amenability of ores to upgrading processes, best prospective areas, etc. Please give him all possible assistance in his assignment.

From the standpoint of "amenability to upgrading"--a necessary attribute to be taken into consideration where the cost of the exploratory work is to be liquidated by sales of ore--I doubt if the application should be recommended.

/s/ L. T. McElvenny

Enclosure

Copy to: C. C. Knox

DMEA Op. Com. (2)

Copy retained here

COPY - DMEA OPERATING COMMITTEE
WASHINGTON 25 DC

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

400

P. O. Box #431
Joplin, Missouri

January 27, 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14N., R. 6W.
Independence County, Ark.

Dear Mr. Miller:

In accordance with information Louis Pavlides telephoned me from Batesville yesterday, and instructions for the Field Team to examine your property, just received from the Washington DMEA Office, I tentatively plan to come to Batesville about February 8 to conclude that examination. Previous urgent assignments are expected to prevent me from arriving much sooner. If that tentative date would not allow you ample time for the mapping and preparation of detailed plans for your proposed drilling, suggested in the Administrator's January 24 letter to you, I more easily could arrange any later date you might prefer.

In the meantime the Bureau of Mines' Offices can be assembling all pertinent factual data they might have available for use in the Bureau's section of the Field Team's examination report which I assure you will be submitted to Washington by me at the earliest possible date.

As I understood, Mr. Pavlides had been engaged on some other duties at Batesville which afforded a good opportunity for his Washington Office to have him also make the geologic examination of your property yesterday. He said that the Geological Survey's section of the Field Team report would be prepared and submitted after his return to Washington.

Please do not hesitate to write regarding any suggestions you might have for the examination, or if this and the Batesville Offices could be of assistance in preparing your project proposal.

Very sincerely yours,

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

CCK/vks
cc: DMEA Op. Com. (2)
Louis Pavlides (USGS) Washington, D.C.
Robert A. Laurence (USGS) Knoxville
3569 file (2)

Copy retained 400

January 25, 1955
8:40 A.M.

Memo of phone call

From: Louis Pavlides (Wash. Off. USGS), Powell Motel, Batesville, Ark.

To: Knox, DMEA, Joplin

Subject: Field referral, Application Docket DMEA-3569 (manganese)
Arkansas Mining and Exploration Corp., Batesville, Ark.

While on other work at Batesville, Pavlides had received telephonic instruction from Kiilsgaard to also contact me concerning scheduling a joint Field Team examination of the subject Applicant's property. He said instructions to that effect were enroute to me from DMEA, and since Pavlides did not have a copy of the docket, he urged that I bring mine and come to Batesville immediately for the examination.

The latest pertinent information I had received was the Operating Committee's Dec. 15 meeting minutes which stated that the application was denied, so I told him that I could not arrange for a Bureau examination there at the moment but would as soon as possible (after receiving instructions from Washington). I suggested that Pavlides go ahead with his examination since the Survey's section of the Field Team's examination report likely would deal primarily with the geologic aspects. I believed that the Bureau's section of the report possibly could be prepared largely on the basis of information on the property and on the applicant, probably already available in the Bureau's Batesville and Rolla Offices.

From all he had learned so far, Pavlides expected to favor an exploration proposal. I asked him to call me his tentative conclusions upon completing his examinations.

I told him that I was tied here this morning awaiting word momentarily that the DMEA Auditor was arriving to start work with me on an urgent case, but if that could be postponed and I receive the mail enroute from Washington on the subject referral, I might arrange to come to Batesville this afternoon, in which case I would call him before starting.

Knox.

Pavlides Wire
DMEA Op. Com.

January 26, 1955
1:30 P.M.

Memo of phone call (collect-accepted by Knox)

From: Louis Pavlides (USGS-DMEA/mn Com.G), Batesville, Ark.

TO: Knox, DMEA, Joplin

Subject: Field referral, Application Docket DMEA-3569 (manganese)
Arkansas Mining & Exploration Corp., Batesville, Ark.

Pavlides said conclusion of his field examination of the Applicant's property this morning was followed with a conference with the Applicant's representatives (mentioned McGee and Holloway by name) and he had come to the following tentative decisions:

1. Only a part of the Applicant's property known as Sawmill Hollow appeared favorable for a limited but comprehensive manganese exploration program, yet to be proposed in adequate detail by the Applicant, but drilling to be confined to "pot holes" in Fernvale limestone generally not above 600' contour line.

2. Applicant agreed to employ competent consultation for mapping the property, proposing drill hole locations (only on the basis of structural control rather than any arbitrary grid pattern), and adequate other revisions of the application, copies of all to be furnished this Joplin Office.

3. Applicant agreed to submit the other information in detail requested by Administrator's Dec. 16 letter (copies of those details and all other ~~direct~~ correspondence directly with the Washington Office, also to be furnished Joplin Field Team Office.)

4. Pavlides said that following talks scheduled to continue part of this afternoon with the Applicant's men, he also would confer with Kline (USBM) before leaving for Washington, although he had understood the Bureau's work has not extended closer to the Applicant's property than the Chinn. Anyhow Pavlides would let the Bureau's Batesville Office know of this referral to be made for a Bureau section of the Field Team's examination report, thus giving opportunity to start assembling any pertinent data available.

5. Pavlides agreed to send Joplin a copy of the Survey's section of the report when he prepared it in Washington.

I still had not received the field referral from Washington, indicating any decision to have the Field Team reconsider the subject application, assist to revise it, or make a field examination, but when such

instructions are received, I expect tentative plans should be considered first by my supervisor in Rolla since recommendations to be made in the Bureau's section of the Field Team Report best be based on factual data probably at least partially available now from the Rolla and Batesville Offices.

Knox.

Note: The Field referral was received from Washington in the 4:00 P.M. mail 1-26-1955.

Knox

IN REPLY REFER TO:

400

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

January 27, 1955

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

Re: DMEA Docket 3569 -
Arkansas Mining & Exploration
Corp.
Batesville, Arkansas

Dear Mr. Knox:

On January 24 a letter to you was cleared through the Operating Committee requesting a field examination of the cited property. Fortunately, I had previously been informed that Mr. Lou Pavlides, U. S. Geological Survey, was currently in Batesville on another assignment. I therefore called Lou by phone, requesting that he immediately contact you on the proposed examination. It is my understanding that he would call you on January 26 and that he would make a joint examination with you or with another Bureau engineer now at Batesville. In the event this arrangement could not be worked out, Lou stated he would make a separate examination but that he would forward his report to you for transmittal to Washington.

The above procedure is admittedly irregular as it gave you short notice of the examination; however, under the circumstances I thought it better to act immediately rather than wait until you had officially received the Operating Committee letter, in which case we might have missed connecting with Mr. Pavlides and would then have had to have sent a man to Batesville to do the Survey's part of the job.

It is hoped that you and Mr. Pavlides have arrived at a plan of making the examination which is satisfactory to all concerned.

Sincerely,

Thor H. Kiilsgaard
Staff Assistant for DMEA

CC: R. A. Laurence
W. S. Martin
Lou Pavlides

400

JAN 24 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMEA 3569 - Manganese
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

This will acknowledge receipt of your letter of January 6, 1955, providing us with brief information on your manganese production from land adjoining the subject property.

The above-mentioned information, taken in conjunction with the data already furnished in your application, indicates that a field examination of your property might be justified if you could first provide us with more detailed plans for your proposed drilling.

Review of the copies sent to us of correspondence between your corporation and our Executive Officer shows that you may be relying on the Field Team for more than usual help in preparing your application, whereas the Field Team's proper function is to appraise the specific proposals of an applicant and to make appropriate recommendations to us. Occasionally the Field Team suggests to the applicant for his consideration possible modifications leading to a more efficient program, but there must be a specific proposal to start with.

To avoid any further delay, we are requesting the Field Team to schedule an examination for an early date. At the same time, we recommend that you now prepare a working scale map showing your proposed drilling so that precise data will be available for the use of the Field Team by the time the examining engineer and geologist arrive at your property.

Sincerely yours,

W. W. Mendenhall

Administrator

cc: DOCKET
FT, REG. IV-Rolla,Mo.
CODE 400
ADM. READ. FILE
G. DE HUFF, USBM
T. KIILSGAARD, USGS
OPER. COMMITTEE

WSMartin/ls

1-18-55

400

JAN 2 1 1955

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
Rolla, Missouri

Re: Docket No. DMEA 3569-Manganese
Arkansas Mining & Exploration Corp.
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

Two copies of a relevant memorandum dated December 1, 1954, by E. L. Newcomb, Geological Survey, are enclosed for your information.

Also enclosed are two copies of Mr. Herman Miller's letter of January 6, 1955 to Mr. C. O. Mittendorf, providing some brief information on the manganese production from land adjoining that identified with the subject application.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

cc: DOCKET
FT, REG. 4-Rolla, Mo.
CODE 400
ADM. READ. FILE
OPER. COMMITTEE
G. DE HUFF, USBM
T. KIILSGAARD, USGS

WSMartin/ls
1-18-55

400

January 6, 1955

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 3569-Manganese
Section 16, T.14 N., R.6 W.
Independence County, Arkansas

Dear Mr. Mittendorf:

We are in receipt of your letter of December 16, 1954.

The above described property on which we have applied for aid for an exploration drilling project has every indication of producing a grade of manganese ore which will meet P-30 specifications and in quantities that will be a help to the National Defense Program.

The hand mining and shaft mining which has been done on the property that we propose to drill has led us to believe that a considerable amount of high grade, hard lump ore can be produced from this property.

We are now washing and concentrating ore from the adjoining property by method of log washers, jigs and picking belt. This small concentrating plant is now making approximately 100 tons of concentrates per week averaging 45.59 per cent manganese which is being sold to General Services Administration. The cost of the concentrating plant, stripping and hauling equipment, slime ponds and water lines, details an investment of approximately $300,000.00.

Since July 1, 1954, we have shipped about 36 carloads of manganese concentrates from this property. It is estimated that we have sufficient ore proven on 80 acres from which we are now milling to operate this plant somewhere between two and three years. It is therefore necessary that we prove in additional ore bodies so that this plant can continue in operation at full capacity after the ores on the property now being milled have been exhausted.

The 36 carloads of ore was shipped by Arkansas Mining and Exploration Corporation and Miller and McGee Manganese Company.

Yours sincerely,

ARKANSAS MINING AND EXPLORATION CORP.

Herman Miller

Herman Miller, President

Copy retained 100

400

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

P. O. Box #431
Joplin, Missouri

December 17, 1954

Mr. Herman Miller, President
Box 312
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

RE: Docket DMEA-3569 (manganese)
Your application
Independence County, Ark.

Dear Mr. Miller:

In reply to your December 6 letter of inquiry, I too received notification of the referenced docket number having been assigned to your application but as yet no expected information or comments on its review which is probably in process.

Therefore as yet I do not know that any additional information will be requested from you.

Rest assured that you will be contacted as soon as any decision can be reached.

Very sincerely yours,

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

CCK/vks

cc: DMEA Op. Comm (2)
3569 file

DEC 1 6 1954

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMEA 3569 - Manganese
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Your application for aid for an exploration project and other data available to us in Washington on the above noted property have been carefully 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 of the National Defense Program.

Exploration programs already completed on other properties within the same section have indicated the presence of substantial tonnages of manganese bearing material. We, therefore, would not now favor Government participation in a new exploration program in that area unless it showed good indications of finding more than a comparatively small tonnage of material which can be economically treated to yield a satisfactory product.

It will consequently be appreciated if you will submit specific information covering the types, tonnages and grades of ore that you are treating on adjoining land, the treatment methods you are using, and the tonnage and grade of the products shipped.

Sincerely yours,

C. O. Mittendorf

Administrator

Chapman/Martin/foc
12-13-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. VI
Mr. DeRuff, USBM
Mr. Kiilsgaard, USGS

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

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMEA 3569 - Manganese
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Your application for aid for an exploration project and other data available to us in Washington on the above noted property have been carefully 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 of the National Defense Program.

Exploration programs already completed on other properties within this area have indicated the presence of substantial tonnages of manganese bearing material of similar character to the deposit that you propose to explore. Metallurgical tests to date have indicated that the greater proportion of such material cannot be economically treated to yield a satisfactory product. Therefore, unless further testing produces a satisfactory metallurgical process, additional exploration by the Government is unwarranted in any area where we can expect to find only similar deposits of material which cannot be classed as ore by present standards.

Under the circumstances, we regret to advise that we are unable to approve a project for the exploration of your property. However, if at some future time the metallurgy of manganese deposits of this type is satisfactorily solved, we shall be glad to consider a revised application for assistance to explore for additional reserves of this type of material. If such a request is made by you, please refer to the subject docket.

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

Sincerely yours,

Administrator

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IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Library Branch
DEC 2 1954

December 1, 1954

Re: DMEA-3569
Arkansas Mining &
Exploration Corp.
(Adler Property)
Independence Co., Ark.
$47,746 - Manganese

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The operator requests exploration assistance to drill in Section 16, 21 and 22, T. 14 N. - R. 6 W. The purpose of the work is stated to be "to prove the ore reserves and to find the quantity, type and grade of (manganese) ore." Also, and I am quoting from the application --"We believe we will find the same type and grade of ore as we are now producing on the adjoining land."

This application is far from complete and fails to substantiate the applicant's contention that further exploration in the area is warranted.

The subject Corporation has ostensibly the same directors and management as the Westmoreland Manganese Corporation. This latter Corporation has had two DMEA contracts (Idm-88 and Idm-R139) which were completed and certified as discoveries. The record on these projects is too well known to require any lengthy comment at this time.

This application in its present form is unacceptable; however, there is sufficient data available from previous projects to indicate that further exploration is not justified and further expenditure of Government funds at this time would be extremely unwise.

Until it has been established by the Westmoreland interests that the manganese deposits in the Westmoreland areas can be successfully mined, beneficiated and utilized, I do not believe we are justified in pursuing this matter any further. I have no objection to a denial being prepared on this application.

ELNewcomb:hlm
G-12/1/54
CC: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeHuff, 3523 Interior

E. L. Newcomb

December 7, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $47,746.00
Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration Corporation,
Mr. Harman Miller, President
Batesville, Arkansas
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Denial of the subject application is recommended by this Division, and is based on the following information:

1. The applicant requested exploration assistance in the amount of $47,746.00 to explore for manganese ore by churn drilling on land in section 16, T. 14 N., R. 6 W. owned but having an encumbrance of $70,304.00. The property is located in Independence County, Arkansas.

2. The subject corporation has related directions and management to the Westmoreland Manganese Corporation which completed two DMEA contracts both certified as discoveries. The record of these projects shows a relatively small production and the results indicate the possibility of finding any large tonnage of minable ore is relatively small.

3. It is proposed to drill 100 holes to an estimated depth of approximately 100 feet. In the SW¼ of the above noted section a number of shafts and pits, and about 200 churn drill holes were put down by the U. S. Bureau of Mines and The American Zinc Company (investigating for Metals Reserve). About 70 of the churn drill holes showed low grade manganese ore, of a type difficult to beneficiate. Mining is also difficult as ore occurs in lenses and pods there is no economical way to produce a large tonnage.

5. The ore occurs in the residual clays of the limestones and shales of the area.

6. The Commodity Divisions of the Geological Survey and the Bureau of mines concurs in a denial. The Field Team refers the application to Washington for lack of information.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:foc
12-7-54
cc to: Docket
Code 100
Adm. Reading File
Operating Comm.

Hold this till
we obtain
Metallurgical Data

12/13/54

WSG

Not used —
withdrawn 11/9/55

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

December 7, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $47,746.00
Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration Corporation,
Mr. Herman Miller, President
Batesville, Arkansas
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Denial of the subject application is recommended by this Division, and is based on the following information:

1. The applicant requested exploration assistance in the amount of $47,746.00 to explore for manganese ore by churn drilling on land in section 16, T. 14 N., R. 6 W. owned but having an encumbrance of $70,304.00. The property is located in Independence County, Arkansas.

2. The subject corporation has related direction and management to the Westmoreland Manganese Corporation, which completed two DMEA contracts both certified as discoveries. The record of these projects shows a relatively small production and the results indicate the possibility of finding any large tonnage of minable ore is relatively small.

3. It is proposed to drill 100 holes to an estimated depth of approximately 100 feet. In the SW$\frac{1}{4}$ of the above noted section a number of shafts and pits, and about 200 churn drill holes were put down by the U. S. Bureau of Mines and The American Zinc Company (investigating for Metals Reserve). About 70 of the churn drill holes showed low grade manganese ore, of a type difficult to beneficiate. Mining is also difficult; as ore occurs in lenses and pods there is no economical way to produce a large tonnage.

5. The ore occurs in the residual clays of the limestones and shales of the area.

6. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in a denial. The Field Team refers the application to Washington for lack of information.

W S Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

400

DOCKET CODE

Chairman
Dekker
Wilson
Martin

December 7, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $47,746.00
Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration Corporation,
Mr. Herman Miller, President
Batesville, Arkansas
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Denial of the subject application is recommended by this Division, and is based on the following information:

1. The applicant requested exploration assistance in the amount of $47,746.00 to explore for manganese ore by churn drilling on land in section 16, T. 14 N., R. 6 W. owned but having an encumbrance of $70,304.00. The property is located in Independence County, Arkansas.

2. The subject corporation has related direction and management to the Westmoreland Manganese Corporation, which completed two DMEA contracts both certified as discoveries. The record of these projects shows a relatively small production and the results indicate the possibility of finding any large tonnage of minable ore is relatively small.

3. It is proposed to drill 100 holes to an estimated depth of approximately 100 feet. In the SW¼ of the above noted section a number of shafts and pits, and about 200 churn drill holes were put down by the U. S. Bureau of Mines and The American Zinc Company (investigating for Metals Reserve). About 70 of the churn drill holes showed low grade manganese ore, of a type difficult to beneficiate. Mining is also difficult; as ore occurs in lenses and pods there is no economical way to produce a large tonnage.

5. The ore occurs in the residual clays of the limestones and shales of the area.

6. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in a denial. The Field Team refers the application to Washington for lack of information.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:foc
12-7-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

OPERATING COMMITTEE

December 7, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $47,746.00
Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration Corporation,
Mr. Herman Miller, President
Batesville, Arkansas
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Denial of the subject application is recommended by this Division, and is based on the following information:

1. The applicant requested exploration assistance in the amount of $47,746.00 to explore for manganese ore by churn drilling on land in section 16, T. 14 N., R. 6 W. owned but having an encumbrance of $70,304.00. The property is located in Independence County, Arkansas.

2. The subject corporation has related direction and management to the Westmoreland Manganese Corporation which completed two DMEA contracts both certified as discoveries. The record of these projects shows a relatively small production and the results indicate the possibility of finding any large tonnage of minable ore is relatively small.

3. It is proposed to drill 100 holes to an estimated depth of approximately 100 feet. In the SW¼ of the above noted section a number of shafts and pits, and about 200 churn drill holes were put down by the U. S. Bureau of Mines and The American Zinc Company (investigating for Metals Reserve). About 70 of the churn drill holes showed low grade manganese ore, of a type difficult to beneficiate. Mining is also difficult; as ore occurs in lenses and pods there is no economical way to produce a large tonnage.

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

5. The ore occurs in the residual clays of the limestones and shales of the area.

6. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in a denial. The Field Team refers the application to Washington for lack of information.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:foc
12-7-54
cc to: Docket
Code 100
Adm. Reading File
Operating Comm.

ADM. READING FILE

December 7, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $47,746.00
Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration Corporation,
Mr. Herman Miller, President
Batesville, Arkansas
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Denial of the subject application is recommended by this Division, and is based on the following information:

1. The applicant requested exploration assistance in the amount of $47,746.00 to explore for manganese ore by churn drilling on land in section 16, T. 14 N., R. 6 W. owned but having an encumbrance of $70,304.00. The property is located in Independence County, Arkansas.

2. The subject corporation has related direction and management to the Westmoreland Manganese Corporation, which completed two DMEA contracts both certified as discoveries. The record of these projects shows a relatively small production and the results indicate the possibility of finding any large tonnage of minable ore is relatively small.

3. It is proposed to drill 100 holes to an estimated depth of approximately 100 feet. In the SW¼ of the above noted section a number of shafts and pits, and about 200 churn drill holes were put down by the U. S. Bureau of Mines and The American Zinc Company (investigating for Metals Reserve). About 70 of the churn drill holes showed low grade manganese ore, of a type difficult to beneficiate. Mining is also difficult; as ore occurs in lenses and pods there is no economical way to produce a large tonnage.

5. The ore occurs in the residual clays of the limestones and shales of the area.

6. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in a denial. The Field Team refers the application to Washington for lack of information.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

TLCHAPMAN:fcc
12-7-54
cc to: Docket
Code 100
Adm. Reading File
Operating Comm.

IN REPLY REFER TO:

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

RECEIVED
NOV 18 1955

November 17, 1955

Re: DMEA 3569 (manganese)
Arkansas Mining & Exploration Corporation
Box 312
Batesville, Arkansas

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: Henry R. Cornwall, U. S. Geological Survey

Subject: Field Team Report on Docket DMEA 3569 (manganese)
Arkansas Mining and Exploration Corporation
Box 312, Batesville, Arkansas.

The Field Team report indicates that: 1) the manganese property under consideration is an unpromising prospect, capable at best of only a negligible production; 2) the applicant is unable or does not want to file an adequate application, even after repeated requests and suggestions from the Field Team and the officials of DMEA.

I agree with the Field Team recommendation that the application be denied without prejudice.

Henry R. Cornwall

Henry R. Cornwall

400

DOCKET
Surname:
Martin

NOV 1 0 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Docket No. DMEA-3569, Manganese
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Reference is made to the above-docketed application for exploration assistance and our letters to you of December 16, 1954, and January 24, 1955, requesting additional information needed to process the application. Reference is also made to letters of May 9, 1955, and September 12, 1955, addressed to you by Mr. Clinton C. Knox, Executive Officer, DMEA Field Team, Region IV, Joplin, Missouri, requesting this same information.

As no reply has been received from you, we assume that you are no longer interested in obtaining Government assistance in an exploration program at the captioned property. The subject docket, therefore, is being transferred to our inactive files and closed in accordance with the letter of September 12, 1955, sent you by Mr. Knox.

This action is taken without prejudice to the property. If at some future date you wish to renew your application, we shall be glad to consider your request, properly supported by the specific data outlined in the above-mentioned letters and referring to the docket number of the subject application.

Sincerely yours,

C. O. Millendorf

Administrator

cc: Docket
Code 400
Adm. Read. File
T. Kiilsgaard, USGS
G. DeHuff, USBM
Field Team, Region 4

LScott 11/9/55

R.C.G.

we asked more data Dec. 16, 1954.

1/6/55 -A gave some data.

1/24/55 - we told applicant his data inadequate, but to save time we were asking FT to examine, but he must make specific proposals; not FT draw up program.

2/14/55-- A said that Pavlides had examined property, and A had decided to submit new revised application based on proper survey of grounds, furnishing maps, and specific proposal for drill sites, etc.

5/4/55--A said McIlwaine away till June so can't finish map.

5/9/55 - Knox outlined again to A the data he must furnish specifically re types, tonnages, grades of ore being treated on adjoining land, etc.

9/2/55--We told Knox give A. 30-day limit.

9/12/55--Knox gave applicant a 30-day ultimatum to provide data or docket would be put in inactive file.

Docket

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

RECEIVED
NOV - 1955

P. O. Box #431
Joplin, Missouri

October 28, 1955

Memorandum

To: DMEA Operating Committee, Interior Bldg., Wash. 25, D. C.

From: Clinton Knox, Region IV Field Team Executive, Joplin, Mo.

Subject: Field Team Examination Report
Application Docket DMEA-3569 (manganese)
Arkansas Mining & Exploration Corporation
Box 312, Batesville, Ark.
$47,745 exploration project proposal on
Sec. 16, T. 14 N., R. 6 W., Independence County, Ark.

Summary, conclusions, and recommendations:

Some of the talus deposits along canyon walls of manganiferous Fernvale (Ordovician) limestone on this applicant's 800-acre property contain residual accumulations of manganese oxides amenable to selective open-cut mining, washing, hand-picking, and gravity concentration. From 1940 through 1942, the American Zinc Co. and the Bureau of Mines (R. I. 4859) explored the largest such favorable talus-residuum area where some mining has been continued by the applicant on the west central edge of section 6 and extending into section 17. The only area remaining on the property appearing to me to warrant exploration, is some five acres of such talus in the so-called Sawmill Hollow on the south edge of section 6. Karst topography on the limited bordering exposures of the Fernvale limestone formation indicates only small "sink-hole" structures in which I doubt that worthwhile deposits of manganese-bearing residuum could have accumulated. Elsewhere throughout the south half of the applicant's property, the cover of Mississippian Boone chert discourages hope that significant manganese ore concentrations could be found underneath in the Fernvale limestone (the Cason shale evidently is absent throughout this property). With the exception of possibly important manganese-bearing outliers of Fernvale limestone, more or less weathered in place on the three highest hilltops, erosion has removed the Fernvale throughout the north half of the applicant's property.

Reviewed by
DMEA OPERATING COMMITTEE
11-7-55
(date)

The applicant has not presented any specific exploration plan, realistic cost estimates, geologic or engineering justifications, nor responded to the repeated requests and suggestions for such from the Field Team and Washington Offices of DMEA throughout the past year since the inadequate application was filed. Nevertheless, the examination request by the DMEA Operating Committee was received by the Field Team on January 26, 1955; Louis Pavlides, USGS, Washington, in Batesville on another assignment, upon direct instructions, had made the geologic examination for the Field Team on January 25.

attached H.B.

Upon receiving the impression from the applicant that the repeatedly requested data finally had been compiled, I journeyed to Batesville and completed the Field Team's examination on the property March 2, accompanied by the applicant's representatives, Mr. Harry H. Halloway and Mr. Marshall McGee, and the Bureau of Mines' engineers stationed in Batesville, James Cooper and Harry Kline.

Mr. Herman Miller, President of the applicant corporation, joined us in discussions that evening when I reiterated point by point the essential data required with an application to afford proper Field Team evaluation of an exploration proposal. I also emphasized that submittal of all that data by no means would automatically guarantee approval of their application.

Virtually none of the requested essential data were found available, however, either in the Batesville Offices of the Arkansas Mining & Exploration Corp., or the Bureau of Mines. On May 4, the applicant advised that its consulting geologist would be delayed in completing the requested detailed geologic mapping of Sawmill Hollow.

Receiving no further information concerning this application, finally, as suggested in a letter from the DMEA Operating Committee, I notified the Applicant on September 12 that unless its revised application and/or all the specifically requested data were received within thirty days, the application docket would be placed in the inactive files. Since no reply to that notification has been received, this memorandum is prepared to so advise, and to complete your records in that docket with what information and impressions I was able to obtain. Your suggested placing of the docket in the inactive file presumably is tantamount to my recommendation herewith that the application be denied without prejudice to the property, or at least to the most favorable appearing five acres thereof in Sawmill Hollow.

<u>Property location, ownership and description:</u>

The applicant's property, known as Section 16 site, or the Adler, is five miles due north of Batesville, Arkansas, and in

addition to Section 16 also encompasses the N/2 NW/4 and the NW/4 NE/4 of Section 21, adjoining on the South, and the NW/4 NW/4 of section 22, cornering on the southeast, about 800 acres altogether, all in T. 14 N., R. 6 W., Independence County, in the Batesville manganese mining district of Arkansas.

The applicant reported that its ownership of the property was subject to some $70,000 in outstanding promissory notes to the Agent for the previous owners of the land but that a Subordination Agreement would be obtainable therefrom at the proper time.

From Batesville, the property is reached by traveling three miles northeastward on Arkansas State Highway 11, then turning onto an unimproved country road northwestward for three miles along Cave Creek and thence northward a mile up Sawmill Hollow on a new access road bulldozed by the applicant. It connects with an old road at the center of section 16 which leads westward to the applicant's manganese ore washing and concentrating mill operating in the adjoining section 17.

The property is rugged rocky woodland but generally accessible for mining purposes the year-round. Relief ranges from 350 to 720 f.a.s.

Except for the mentioned newly bulldozed access road, no facilities exist in the Sawmill Hollow area under consideration here. Three test open-cuts also had been bulldozed there near the south line of section 16 which constitute all the mine workings evidenced there (see my sketch map attached to indicate the principal physical features of the applicant's property). The applicant's representatives mentioned that only a small production had been obtained from those cuts but some favorable-appearing exposures of manganese oxides remained in those excavations both in the unconsolidated talus-residuum and in planes of weakness in the solid Fernvale limestone wall rock.

Considerable production is believed to have ensued from intermittent digging operations in the indicated ore deposit on the western edge of section 16 and extending into section 17 by various concerns, dating at least back to 1942 when the American Zinc Co. of Arkansas, and the Bureau of Mines (R.I. 4859) had explored that area. During the past two years, production was resumed there by the applicant. The available production figures, however, cannot be broken down to the individual tracts of land. The applicant stated that it shipped 36 carloads of manganese ore and/or concentrate from its operations mostly in section 17 during the last half of 1954 and that its production rate beginning 1955, was 100 tons

of concentrate per week averaging 45 percent manganese which was being sold to General Services Administration. Probably only a very small part of that production, however, was derived from the tracts presented on this exploration application but the tenor of the ore in these deposits are expected to be found similar.

The engineers in the Batesville Office of the Bureau of Mines, in connection with a continuing project to catalogue the various manganese deposits in that district, have become most experienced in estimating potential production therefrom. They expressed the opinion that the inferred reserves which could be selectively mined from the talus-residuum deposits in Sawmill Hollow might amount to 8,000 tons having an average ten percent manganese content which could be upgraded with the log washers, jigs, and picking belt in use in such district plants, to probably supply 1,200 tons of marketable manganese ore and/or concentrate.

The applicant's mining tests in Sawmill Hollow, similar to the method generally in practice in all such district mining, included hand picking of the large hard lumps(the so-called "niggerheads") of obviously highgrade manganese oxide ore in the excavations after each pass of the bulldozer blade. Mr. Marshall McGee, in charge of production operations and his workmen with years of experience in selectively mining, sorting, and blending the Batesville ores into a marketable product, have become most adept at visually estimating the manganese content of the ore and recognizing telltale signs of penalizing elements therein. That highgrade lump ore was trucked directly to the railroad loading point in Batesville for shipment generally to a Government stockpile for such in West Virginia. High freight rates preclude shipping any of the lower grade Batesville ores to the Government's purchasing depot for such at Deming, New Mexico. The pockets of clayey residuum uncovered in the excavations which obviously contained appreciable amounts of the hard buckshot-like manganese oxides, were loaded and trucked to the applicant's previously mentioned washing and concentrating plant for upgrading to a marketable product which is shipped with the above-mentioned lump-type ore. Concentrating efficiency is evidently generally low and of course, the wad and manganese-bearing clay also are wasted. Lucrative-appearing stringers of manganese oxides in the bedding planes and fractures of the Fernvale limestone walls of the canyon, also likewise selectively exploited by sidehill stoping and adits, pinched after being followed only a few feet.

In rare instances in this part of the district such stringers have proved reliable leads to the small "sink hole" deposits. On the applicant's property, however, dissolution actions necessary for the natural development of any important deposits of that type evidently are only in the early stages as compared with

some other areas of the district such as on Westmoreland's properties (Dockets MDA-197X and DMA-2002X), five miles to the west, where only the characteristic Fernvale limestone "pinnacles" remain interspersed in the large manganese-bearing residuum deposits.

Recent test drilling two miles south of the applicant's property and reconnaissance mapping and sampling by the Bureau of Mines on the project in progress to catalogue in detail the various manganese deposits, throughout the district, indicate that certain areas of the Fernvale limestone in place contains roughly five percent manganese generally in the form of disseminated oxide minerals. Such Fernvale limestone can generally be identified visually as I noted in the canyon walls of Sawmill Hollow. I tentatively concluded that worthwhile manganese-bearing talus-residuum deposits will not be found except in canyons or large "sink holes" within those particular manganese-bearing areas of the Fernvale limestone and where prolonged weathering has sufficiently concentrated the manganese mineralization and leached part of the original high phosphorus content.

The applicant:

In this relatively new applicant corporation, the abilities of two of the principals, Messrs. Miller and Halloway, are well-known to DMEA and several Government Agencies in connection with dealings of the Westmoreland Manganese Corporation; Mr. Marshall McGee, the third principal, appeared to be a capable mining engineer and operator reportedly with many years of successful manganese ore buying and producing experiences in the Batesville district. Messrs. Miller and McGee are believed to be financially responsible but I understand that virtually all Mr. Holloway's assets were expended on the now defunct Westmoreland Corp.

During the discussions, I gained the impression that in this new association together, Mr. McGee was to furnish the know-how, some equipment, and mining properties and conduct all production operations in return for the supplying of some operating capital and properties by Mr. Miller and the exertion of all Mr. Holloway's efforts to affect explorations which would maintain ore reserves at a comfortable level. I noted in discussions in Mr. McGee's presence, Messrs. Miller and Halloway seemed to display much eagerness to promote the proposed exploration operations, but in the absence of Mr. McGee the interest in maintaining ore reserves for the future obviously was lacking possibly because Mr. Miller did not wish to advance the necessary funds. It is understood that attempts have been made to sell all the applicant's properties and equipment and that the remaining known ore reserves now appear to be very small.

The exploration proposal:

The applicant presented no specific exploration plans, no realistic project cost estimates, no indication of the geologic controls to be recognized in properly carrying out such an exploration, and no assurances that its share of the cost of the proposed project would be provided.

Since the advent of more or less large-scale mobile earth-moving machinery for open-cut mining of the talus-residuum deposits in the Batesville manganese district, I doubt that much actual exploration work in advance of exploitation, except for a nominal amount of preliminary prospect trenching, is justifiable there. A very few exploratory drill holes and/or test shafts to cross section at wide-spread intervals such canyons and significant-appearing "sink-hole" depressions as at Sawmill Hollow, might be helpful in planning spoil disposal so that the possibly important lower lying ore deposits would not be buried as may be the case in some of the present "blind" mining excavating practices. Practicable conservation otherwise by developing more efficient beneficiation methods would be most helpful. The use of an earth socket in significant manganese-bearing zones probably would result in more reliable churn drill hole sampling thus eliminating the need for so much follow-up test shafting as practiced in past explorations.

Somewhat on the foregoing basis, I substantially repeated to the applicant the suggestions previously made by Pavlides (USGS) for its limited project proposal in the five-acre Sawmill Hollow area, and reiterated those suggestions in my May 9 letter to the applicant. No response has been forthcoming.

Clinton C. Knox

Clinton C. Knox
Mining Engineer

CCK/vks

cc: DMEA Op. Com. (3)
3569 file
Knox

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. Geological Survey Bldg.
Agricultural Research Center
Beltsville, Maryland

February 3, 1955

Memorandum

Reviewed by
DMEA OPERATING COMMITTEE
11-9-55
(date)

To: Thor Kilingard

From: Louis Fuchine

Subject: DMEA Docket No. 3559
Arkansas Mining and Exploration Corp.
Bakersville, Arkansas

In accordance with our telephone conversation of Jan. 24, office conferences and a field examination of the properties of the Arkansas Mining and Exploration Corporation were carried out by me in respect to the subject docket. Prior to contacting the applicants, I phoned Mr. Knox at Joplin, Mo. explaining the unexpected circumstances under which it was decided to have me make a field examination of the subject properties and asked if he could join me for this examination. Because of pending business, he was unable to join me for a joint examination, but agreed, that under the circumstances, it would be permissible to make separate examinations. After conferring with the applicants and examining their property, I again called Mr. Knox and informed him of my findings and the applicants decisions. In view of this conversation, Mr. Knox decided to defer examining the properties pending further action by the applicants to be described below.

Two office conferences were held with the applicants; one preceding and one following the field examination on Jan. 24 and 25 respectively. In the first conference the subject applicants were represented

by Mr. Marshall Mc Gee, a director of the corporation, who is in charge of mining and west field operations and Mr. Henry H. Holloway who has been designated to supervise the exploration program should such assistance be granted by DMEA. Their application was reviewed point by point and suggestions were made for revisions. A field examination was made of the property on Jan. 25 in the company of Mr. Marshall Mc Gee.

As a result of these conferences and field examinations Messrs Mc Gee and Holloway decided on the following course of action:

1) Write DMEA and ask that their present application be held in abeyance pending submittal of a modified version or possibly of a new proposal altogether. A carbon of this letter was to be sent to Mr. Knox.

2) Prior to submitting this new proposal they would retain the services of a consultant who would prepare working maps of a suitable scale on which would appear topographic contours, geologic contacts, the centers of sink hole depressions and the proposed churn hole sites of a small tract of land along Saw Mill Hollow.

3) The primary control in locating the churn hole sites would be the sink hole depressions, within each of which a churn hole would be proposed for a drill site. Radiating outward from and interspersed within these primary churn hole sites would be a network of secondary churn hole sites. These would be so located with respect to the primary network of holes that an overall pattern of drilling on 100' centers would be approximated. The lateral limits of drilling in the tract of ground within Saw Mill Hollow would be placed where the Boone chert overburden, which overlies the manganiferous Fernvale-Cason outcrop zone, reached a thickness in excess of 40 feet. This cut-off approximately corresponds to the slopes of Saw

Mill Hollow below the 600' contour. Thus, the number of churn holes proposed for drilling probably will not be 100, as proposed in their present application. The proposed drilling would probably be set up as the first phase of exploration to be followed by a second stage in which shafts would be put down on a density of one shaft for every 10 churn holes; the ultimate location of the shafts to be governed by the results of the drilling.

It was emphasized to Messrs Mc Gee and Holloway that even though they did submit a new proposal along the lines indicated above, it would not automatically guarantee that their application for aid in exploration would be approved; but that in so doing they would be only submitting an application that had been properly prepared and had the necessary information for a field team to properly evaluate their proposal.

Should the applicants comply with their verbal agreements and confine their exploration to Saw Mill Hollow along the lines indicated above, I will be able to appraise their new proposal without revisiting the property in the field. My geologic report will be made when their new proposal is submitted through DMEA. If, however, the applicants do not revise their proposal, it is recommended that the present application be denied for lack of specific targets for exploration and usable maps with a suitable scale on which churn hole sites are indicated. A more specific report recommending denial will be prepared should the applicants decide to go along with their present proposal.

Docket

RECEIVED
SEP 16 1955

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

P. O. Box #431
Joplin, Missouri

Copy received 400

September 12, 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Application DMEA-3569 (manganese)
Section 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Miller:

Your application for exploration assistance has been held in abeyance in accordance with your request on February 14, 1955, to the Washington Office of the Defense Minerals Exploration Administration.

Your letter to me on May 4 advised that some further delay in furnishing the essential application data would be necessary. On May 9, I acknowledged your letter and reiterated the various data that were specifically requested to revise your application so that it can properly be appraised by the Field Team. To date I have not heard anything further concerning your application.

Therefore, I must advise that unless your revised application and-or all the specifically requested data are received within 30 days, the docket will be placed in the inactive file.

Sincerely yours,

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

CCK/vks

DMEA Op. Com (2)
3569 file

DOCKET
SURNAME

Chapman
Selfridge
Mattheisen

SEP - 8 1955

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

Re: Docket No. DMEA 3569 - Manganese
Arkansas Mining and Exploration
Corporation
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

Referring to the subject docket, we find that on February 14, 1955, Mr. Herman Miller, President, Arkansas Mining and Exploration Corporation, requested us to hold his application for exploration assistance in abeyance and he would submit a new and revised application. On May 9, 1955, you wrote Mr. Miller concerning this application and requested further specific information.

To date we have notheard anything further concerning this application. We suggest you advise the applicant that unless he submits the revised application or the specific data requested within 30 days, the docket will be placed in the inactive files.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHB)

APPROVED:

P. F. Yopes (GHB)
Member, Bureau of Mines

s/ N. E. Nelson (GHB)
Member, Geological Survey

TLChapman:foc
9-2-55
cc to: Docket
Code 400
Adm. Read. File
Operating Comm.
FT. REG. IV
Mr. DeHuff, USBM
Mr. Kiilsgaard, USGS

R.C.K.

COPY DMEA Operating Com
Washington

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Defense Minerals Administration
RECEIVED
MAY 11 1955

P. O. Box #431
Joplin, Missouri

May 9, 1955

WSM

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Application DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

This is to acknowledge receiving your May 4 letter, advising that completion of the geologic mapping by your Consultant, Mr. McElwaine, will be delayed until sometime in June. I plan to take a vacation, returning here on July 5. While I am away, I believe any questions that might arise or suggestions you might request can be handled to your satisfaction either by the Bureau of Mines' Batesville Office, or whoever is in my place here.

I have anticipated the delay you mentioned since, as you may recall, when I came to Batesville on March 1 in response to your February 24 letter, I found virtually none of the data available which your office and that of the Bureau of Mines in Batesville had been requested to prepare. With my examination of the property on March 2, when I was accompanied by Messrs. Holloway and McGee of your office and Messrs. Kline and Cooper, Engineers of the Bureau of Mines, I believe revisiting your property will not be necessary whenever the Field Team report and recommendations can be prepared. Also Mr. R. B. McElwaine, Consulting Mining Geologist of Little Rock came to this office on March 8, and discussed the preparation of data that had been requested from you. He explained that you had suggested some sort of tentative arrangements with him to prepare that data, including the geologic mapping, but that he had to go to Arizona then to fulfil previous commitments so would have to delay your proposed work. I am glad to assure you, however, that the delay you mentioned will in no way inconvenience the Field Team.

In addition to furnishing specific information concerning the types, tonnages, and grades of ore that you are treating on adjoining land, the treatment methods you are using and the tonnage and grade of the products shipped, as requested in the Administrator's December 16 letter

Copy retained 400

to you, I reiterate here for your ready reference the other data which Mr. Pavlides and I agreed would be necessary for you to submit to afford a proper evaluation of your exploration project proposal.

1) Specific details of a revised project proposal with realistic cost estimates.

2) A project map on a suitable working scale showing topographic contours, geologic contacts, sink hole structures, and proposed sites of exploratory drill holes and test shafts for the small acreage at Saw Mill Hollow, all to be prepared by a competent geological engineer.

3) Describe and illustrate the geologic controls or targets to be used in justifying the sites for the preliminary phase of the proposed exploratory drilling as well as the criteria under which the second stage drilling and/or test shaft sites would be located.

I wish again to emphasize here, however, that submittal of all the above-suggested data for a revision of your referenced application, still would not automatically guarantee its approval but would permit a proper appraisal by the Field Team, and subsequently by the Washington Office of DMEA, the Bureau of Mines, and the Geological Survey. I want you to be assured that reiteration of these suggestions here is merely an honest effort to assist you in every way that I can.

With best personal regards, I remain

Sincerely yours,

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

CCK/vks

cc: DMEA Op. Com (2)
Mr. Pavlides
3569 file

C
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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1955

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

May 4, 1955

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
United States Department of the Interior
Joplin, Missouri

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Knox:

I am attaching a copy of a letter which we received from Mr. R. B. McElwaine this morning.

Since we do want to get Mr. McElwaine to finish the work here, there will be a delay in getting our data completed for our application.

I hope this delay will not inconvenience you in any way and I assure you, we will get this work finished as soon as Mr. McElwaine can complete his work.

Sincerely yours,

ARKANSAS MINING AND EXPLORATION CORP

/s/ Herman Miller,
Herman Miller, President

HM;ms
Encl.

C
O
P
Y

ROBERT B MC ELWAINE
CONSULTING MINING GEOLOGIST
P. O. Box 127
LITTLE ROCK, ARKANSAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 11 1955

May 3, 1955

Mr. Harry Holloway
Arkansas Mining & Exploration Company
Batesville, Arkansas

Dear Mr. Holloway:

On Monday April 25 I called for you but you were out and I talked to Mr. Miller. I told him I was ready to come up and finish your job. He said he didn't know if Burton Arnold had finished the surveying so I called Burton. He said he had not been able to finish due to rain and other reasons.

On March 25 I spent a day in the field with Burton and we all anticipated that the survey would be completed in a week or ten days. Accordingly I made my plans to finish the work for you last week and had set that week aside for that purpose. In the meantime I had computed the notes and plotted the survey work that I had done. Also I had Farrell & Schaer blow the topographic map of the area I had surveyed up to 100 feet to the inch so that I could prepare a topographic map without having to resurvey the whole thing and thus save a great deal of time and expense. I asked Farrell & Schaer to bill you for this work and you have no doubt received their statement by this time.

Tomorrow I am leaving town to be gone about a month and will not be able to finish your job until sometime in June. I am sorry the matter has turned out this way but do not feel that it is any fault of mine.

If the extended delay is not permissible and you wish to get someone else to finish the job, it will be satisfactory with me and I will not make any charges for my services to date. When I return to the office I will check with you and if you still desire me to complete the job I shall be happy to do so.

Best wishes for your success.

Very truly yours,

R. B. McElwaine

RBM/he

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

Docket

C
O
P
Y

ARKANSAS MINING AND EXPLORATION CORPORATION
Phone 1123
Batesville, Arkansas

February 24, 1955 WSM

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
United States Department of the Interior
Joplin, Missouri

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

Thank you for your letter of February 17, 1955.

If convenient for you, we would like to arrange to meet with you either Tuesday, March 1, or Wednesday, March 2.

If you cannot conveniently meet with us on either of the above dates, please advise what date would be most agreeable with your plans and we will arrange our schedule accordingly.

Yours very truly,

ARKANSAS MINING AND EXPLORATION CORP.

/s/ Herman Miller
HERMAN MILLER
PRESIDENT

HM:ms

NOTE: I plan to arrive Batesville the evening of March 1, but must continue on to Farmington, Mo., on morning of March 3.

C. C. Knox
C. C. Knox
Executive Officer
DMEA FIELD TEAM, Region IV

CCK/vks

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

Docket

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

P. O. Box #431
Joplin, Missouri

Copy retained 200

February 17, 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

WSM

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14 N., R. 6 W.
Independence County, Ark.

Dear Mr. Miller:

When Mr. Holloway telephoned me on February 3, I suggested tentative plans to confer with you, or your representatives and examine your property about February 23 to 26. Now it appears that I cannot complete urgent previous assignment before March 1.

Any possible inconvenience this postponement may cause you or your consulting geologist is regretted but if you will advise definitely on what date in March would be most convenient for you and your Consulting Geologist, I certainly will make every effort to schedule my trip accordingly.

Very sincerely yours,

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

CCK/vks

CC: DMEA Oper. Com. (2)
McElvenny (2)
Kline
3569 file

Copy retained 200

Docket

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 17 1955

February 14, 1955

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA 3569-Manganese
Sec. 16, T. 14., R.6 W.
Independence County, Arkansas

Dear Mr. Mittendorf:

I have been unable to reply to your letter of January 24, 1955, sooner because of the illness of Mrs. Miller who is in the hospital in St. Louis and I am spending most of my time at her bedside.

In view of the examination which has been made by Mr. Louis Pavlides, U. S. Geological Survey, and also point by point consideration of our application, we have decided to hold our present application in abeyance and submit a new revised application which will be preceded by a proper survey of the ground. Maps will be prepared to show ground contacts and sink hole topographies.

A specific proposal for drill sites will be based on favorable surfacial types of structure, such as sink holes, cuts and shafts. Based on this primary control of location, other holes will be spaced at intervals about 100 feet apart.

The sampling will be done according to the usual procedure.

Some shafting will be done, the shafts to be located on the proposal map, but if possible their ultimate location to be based on information gathered by drilling. The number of shafts to be approximately 1 to every 25 drill holes.

Sincerely yours,

ARKANSAS MINING & EXPLORATION CORP.

Herman Miller

Herman Miller, President

HM:ms

FAR

Did you talk to L. Pavlides about this a couple of days ago?

2/17/55

Yes
JMK.

~~5821~~
~~5821~~
~~5821~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

P. O. BOX 431
JOPLIN, MISSOURI

Docket

Bureau of Mines
Bureau Minerals Administration
RECEIVED
FEB 7 1955

February 3, 1955

Copy retained 400

Memorandum

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

WSM

From: C. C. Knox

Subject: Field Examination, Application Docket DMEA-3569 (manganese)
Arkansas Mng. & Exp. Corp., Batesville, Ark.

Receiving of the telephone call from the subject Applicant's Office this morning (see enclosed copy of my Memo) reminded me that I had forgotten to write you a requisition for my tentatively planned trip. Therefore the attached requisition forms were prepared for the dates now tentatively planned.

Upon receiving your February 1 Memo this afternoon and the copy of your authorization for Kline to assist me at Batesville, I also sent him the information that my proposed visit there must be delayed at least until February 23.

CCK/vks

Clinton C. Knox

Enclosure (2)

cc: DMEA Op. Comm. (2 w/c of Memo)
Kline w/c of Memo
Rolla (2 w/c of Memo)
3569 file

Copy retained 400

11:20 A.M.
February 3, 1958

FEB - 7 1958

Memo of Phone Call

From: W. J. Holloway, Arkansas Min. & Expl. Co., Batesville, Ark.

To: Executive Officer, DMEA Field Team, Joplin, Mo.

Subject: Field Examination, Application Docket DMEA-3569 (Arkansas)

Mr. Holloway said that Mr. Miller, President of the Applicant Corporation, had been called to St. Louis for an indefinite stay due to the serious illness of Mrs. Miller. Although Robt. McIlwaine, Consulting Geologist of Little Rock had been engaged to prepare the necessary detailed maps and project proposal for the Applicant, sufficient progress could not be accomplished on that work by February 8 to justify my tentatively planned examination trip to Batesville then. Therefore, Mr. Holloway suggested that we plan on a later date when he, Messrs. Miller, McIlwaine, and others representing the Applicant all could meet at the Batesville Office of the Bureau of Mines to start that examination. I explained that my schedule appeared to be filled until possibly Febr. 23 - 26. He thought that would be a suitable date but we agreed to make more definite arrangements as soon as practicable. He said he would continue to be in close contact with the Bureau's Batesville Office in case it received any instructions concerning this matter.

Regarding the Applicant's estimated $4.77 per foot for overall cost of the proposed project churn drilling which had appeared questionable, Mr. Holloway thought we would find that to be a very conservative figure as shown by previous Batesville exploration work.

C. C. Knox

cc:
Rolla (3)
Kline
DMEA Op. Com. (2)
3569-file

Copy retained 400

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

[redacted]

C
O
P
Y

P. O. Box #136
Rolla, Missouri

February 1, 1955

Memorandum

To: H. D. Kline

From: L. T. McElvenny

Subject: Application Docket D.M.E.A.-3569 (manganese) Arkansas Mining & Exploration Corp., Batesville, Ark.

Enclosed herewith is a file on the subject application sent me by Clint Knox with a request that you assemble available factual data on the indicated property and have it ready for him when he arrives in Batesville on February 8.

To complete his examination and prepare a report thereon, he will require information as to previous explorations, mining, ore production, class and grades of inferred deposits, probability of ore discoveries, amenability of ores to upgrading processes, best prospective areas, etc. Please give him all possible assistance in his assignment.

From the standpoint of "amenability to upgrading"--a necessary attribute to be taken into consideration where the cost of the exploratory work is to be liquidated by sales of ore--I doubt if the application should be recommended.

/s/ L. T. McElvenny

Enclosure

Copy to: C. C. Knox

DMEA Op. Com. (2)

Copy retained 400

COPY - DMEA OPERATING COMMITTEE
WASHINGTON 25 DC

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

Docked

P. O. Box #431
Joplin, Missouri

January 27, 1955

WSM

Mr. Herman Miller, President
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

Re: Docket DMEA-3569 (manganese)
Sec. 16, T. 14N., R. 6W.
Independence County, Ark.

Dear Mr. Miller:

In accordance with information Louis Pavlides telephoned me from Batesville yesterday, and instructions for the Field Team to examine your property, just received from the Washington DMEA Office, I tentatively plan to come to Batesville about February 8 to conclude that examination. Previous urgent assignments are expected to prevent me from arriving much sooner. If that tentative date would not allow you ample time for the mapping and preparation of detailed plans for your proposed drilling, suggested in the Administrator's January 24 letter to you, I more easily could arrange any later date you might prefer.

In the meantime the Bureau of Mines' Offices can be assembling all pertinent factual data they might have available for use in the Bureau's section of the Field Team's examination report which I assure you will be submitted to Washington by me at the earliest possible date.

As I understood, Mr. Pavlides had been engaged on some other duties at Batesville which afforded a good opportunity for his Washington Office to have him also make the geologic examination of your property yesterday. He said that the Geological Survey's section of the Field Team report would be prepared and submitted after his return to Washington.

Please do not hesitate to write regarding any suggestions you might have for the examination, or if this and the Batesville Offices could be of assistance in preparing your project proposal.

Very sincerely yours,

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

CCK/vks

cc: DMEA Op. Com. (2)
Louis Pavlides (USGS) Washington, D.C.
Robert A. Laurence (USGS) Knoxville
3569 file (2)

Copy retained 400

January 25, 1955
8:40 A.M.

Memo of phone call

From: Louis Pavlides (Wash. Off. USGS), Powell Motel, Batesville, Ark.

To: Knox, DMEA, Joplin

Subject: Field referral, Application Docket DMEA-3569 (manganese)
Arkansas Mining and Exploration Corp., Batesville, Ark.

While on other work at Batesville, Pavlides had received telephonic instruction from Kiilsgaard to also contact me concerning scheduling a joint Field Team examination of the subject Applicant's property. He said instructions to that effect were enroute to me from DMEA, and since Pavlides did not have a copy of the docket, he urged that I bring mine and come to Batesville immediately for the examination.

The latest pertinent information I had received was the Operating Committee's Dec. 15 meeting minutes which stated that the application was denied, so I told him that I could not arrange for a Bureau examination there at the moment but would as soon as possible (after receiving instructions from Washington). I suggested that Pavlides go ahead with his examination since the Survey's section of the Field Team's examination report likely would deal primarily with the geologic aspects. I believed that the Bureau's section of the report possibly could be prepared largely on the basis of information on the property and on the applicant, probably already available in the Bureau's Batesville and Rolla Offices.

From all he had learned so far, Pavlides expected to favor an exploration proposal. I asked him to call me his tentative conclusions upon completing his examinations.

I told him that I was tied here this morning awaiting word momentarily that the DMEA Auditor was arriving to start work with me on an urgent case, but if that could be postponed and I receive the mail enroute from Washington on the subject referral, I might arrange to come to Batesville this afternoon, in which case I would call him before starting.

Knox.

DMEA Op. Com.

January 26, 1955
1:30 P.M.

Memo of phone call (collect-accepted by Knox)

From: Louis Pavlides (USGS-DMEA/mn Com.G), Batesville, Ark.

TO: Knox, DMEA, Joplin

Subject: Field referral, Application Docket DMEA-3569 (manganese)
Arkansas Mining & Exploration Corp., Batesville, Ark.

Pavlides said conclusion of his field examination of the Applicant's property this morning was followed with a conference with the Applicant's representatives (mentioned McGee and Holloway by name) and he had come to the following tentative decisions:

1. Only a part of the Applicant's property known as Sawmill Hollow appeared favorable for a limited but comprehensive manganese exploration program, yet to be proposed in adequate detail by the Applicant, but drilling to be confined to "pot holes" in Fernvale limestone generally not above 600' contour line.

2. Applicant agreed to employ competent consultation for mapping the property, proposing drill hole locations (only on the basis of structural control rather than any arbitrary grid pattern), and adequate other revisions of the application, copies of all to be furnished this Joplin Office.

3. Applicant agreed to submit the other information in detail requested by Administrator's Dec. 16 letter (copies of those details and all other ~~direct~~ correspondence directly with the Washington Office, also to be furnished Joplin Field Team Office.)

4. Pavlides said that following talks scheduled to continue part of this afternoon with the Applicant's men, he also would confer with Kline (USBM) before leaving for Washington, although he had understood the Bureau's work has not extended closer to the Applicant's property than the Chinn. Anyhow Pavlides would let the Bureau's Batesville Office know of this referral to be made for a Bureau section of the Field Team's examination report, thus giving opportunity to start assembling any pertinent data available.

5. Pavlides agreed to send Joplin a copy of the Survey's section of the report when he prepared it in Washington.

I still had not received the field referral from Washington, indicating any decision to have the Field Team reconsider the subject application, assist to revise it, or make a field examination, but when such

instructions are received, I expect tentative plans should be considered first by my supervisor in Rolla since recommendations to be made in the Bureau's section of the Field Team Report best be based on factual data probably at least partially available now from the Rolla and Batesville Offices.

Knox.

Note: The Field referral was received from Washington in the 4:00 P.M. mail 1-26-1955.

Knox

400

DOCKET
Surname:
Martin
DeHuff
Selfridge

JAN 24 1955

Mr. Clinton C. Knox, Executive Officer
DMEA Field Team, Region IV
Bureau of Mines
Rolla, Missouri

Re: Docket No. DMEA 3569-Manganese
Arkansas Mining & Exploration Corp.
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Knox:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

Two copies of a relevant memorandum dated December 1, 1954, by E. L. Newcomb, Geological Survey, are enclosed for your information.

Also enclosed are two copies of Mr. Herman Miller's letter of January 6, 1955, to Mr. C. O. Mittendorf, providing some brief information on the manganese production from land adjoining that identified with the subject application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

J. H. Hedges
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

cc: DOCKET
FT, REG. 4-Rolla, Mo.
CODE 400
ADM. READ. FILE
OPER. COMMITTEE
G. DE HUFF, USBM
T. KIILSGAARD, USGS

WSMartin/ls
1-18-55

DOCKET
Surname:
Martin
DeHuff
Hodges
Kiilsgaard
Selfridge
Fellman

400

JAN 24 1955

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMEA 3569 - Manganese
Sec. 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

This will acknowledge receipt of your letter of January 6, 1955, providing us with brief information on your manganese production from land adjoining the subject property.

The above-mentioned information, taken in conjunction with the data already furnished in your application, indicates that a field examination of your property might be justified if you could first provide us with more detailed plans for your proposed drilling.

Review of the copies sent to us of correspondence between your corporation and our Executive Officer shows that you may be relying on the Field Team for more than usual help in preparing your application, whereas the Field Team's proper function is to appraise the specific proposals of an applicant and to make appropriate recommendations to us. Occasionally the Field Team suggests to the applicant for his consideration possible modifications leading to a more efficient program, but there must be a specific proposal to start with.

To avoid any further delay, we are requesting the Field Team to schedule an examination for an early date. At the same time, we recommend that you now prepare a working scale map showing your proposed drilling so that precise data will be available for the use of the Field Team by the time the examining engineer and geologist arrive at your property.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: DOCKET
FT, REG. IV-Rolla, Mo.
CODE 400
ADM. READ. FILE
G. DE HUFF, USBM
T. KIILSGAARD, USGS
OPER. COMMITTEE

WSMartin/ls

1-18-55

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

Docket

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 10 1955

January 6, 1955

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
United States Department of the Interior
Washington 25, D. C.

WSM

Re: Docket No. DMEA 3569-Manganese
Section 16, T.14 N., R.6 W.
Independence County, Arkansas

Dear Mr. Mittendorf:

We are in receipt of your letter of December 16, 1954.

The above described property on which we have applied for aid for an exploration drilling project has every indication of producing a grade of manganese ore which will meet P-30 specifications and in quantities that will be a help to the National Defense Program.

The hand mining and shaft mining which has been done on the property that we propose to drill has led us to believe that a considerable amount of high grade, hard lump ore can be produced from this property.

We are now washing and concentrating ore from the adjoining property by method of log washers, jigs and picking belt. This small concentrating plant is now making approximately 100 tons of concentrates per week averaging 45.59 per cent manganese which is being sold to General Services Administration. The cost of the concentrating plant, stripping and hauling equipment, slime ponds and water lines, details an investment of approximately $300,000.00.

Since July 1, 1954, we have shipped about 36 carloads of manganese concentrates from this property. It is estimated that we have sufficient ore proven on 80 acres from which we are now milling to operate this plant somewhere between two and three years. It is therefore necessary that we prove in additional ore bodies so that this plant can continue in operation at full capacity after the ores on the property now being milled have been exhausted.

The 36 carloads of ore was shipped by Arkansas Mining and Exploration Corporation and Miller and McGee Manganese Company.

Yours sincerely,

ARKANSAS MINING AND EXPLORATION CORP.

Herman Miller

Herman Miller, President

Copy retained 200
1/11/55

Docket

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

P. O. Box #431
Joplin, Missouri

December 17, 1954

Mr. Herman Miller, President
Box 312
Arkansas Mining and Exploration Corp.
Batesville, Arkansas

RE: Docket DMEA-3569 (manganese)
Your application
Independence County, Ark.

Dear Mr. Miller:

In reply to your December 6 letter of inquiry, I too received notification of the referenced docket number having been assigned to your application but as yet no expected information or comments on its review which is probably in process.

Therefore, as yet I do not know that any additional information will be requested from you.

Rest assured that you will be contacted as soon as any decision can be reached.

Very sincerely yours,

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

CCK/vks

cc: DMEA Op. Comm (2)
3569 file

400

DOCKET
SURNAME

Chapman
Martin
DeHuff
Nonemaker
Kiilsgaard
Johnson
Selfridge
J. Johnson

DEC 16 1954

Mr. Norman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMEA 3569 - Manganese
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Your application for aid for an exploration project and other data available to us in Washington on the above noted property have been carefully 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 of the National Defense Program.

Exploration programs already completed on other properties within the same section have indicated the presence of substantial tonnages of manganese bearing material. We, therefore, would not now favor Government participation in a new exploration program in that area unless it showed good indications of finding more than a comparatively small tonnage of material which can be economically treated to yield a satisfactory product.

It will consequently be appreciated if you will submit specific information covering the types, tonnages and grades of ore that you are treating on adjoining land, the treatment methods you are using, and the tonnage and grade of the products shipped.

Sincerely yours,

C. O. Mittendorf

Administrator

Chapman/Martin/foc
12-13-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. VI
Mr. DeHuff, USBM
Mr. Kiilsgaard, USGS

DOCKET
400 SURNAME
Chapman
Martin
DeHuff
Kiilsgaard
Johnson

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Docket No. DMM 3569 - Manganese
Section 16, T. 14 N., R. 6 W.
Independence County, Arkansas

Dear Mr. Miller:

Your application for aid for an exploration project and other data available to us in Washington on the above noted property have been carefully 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 of the National Defense Program.

Exploration programs already completed on other properties within this area have indicated the presence of substantial tonnages of manganese bearing material of similar character to the deposit that you propose to explore. Metallurgical tests to date have indicated that the greater proportion of such material cannot be economically treated to yield a satisfactory product. Therefore, unless further testing produces a satisfactory metallurgical process, additional exploration by the Government is unwarranted in any area where we can expect to find only similar deposits of material which cannot be classed as ore by present standards.

Under the circumstances, we regret to advise that we are unable to approve a project for the exploration of your property. However, if at some future time the metallurgy of manganese deposits of this type is satisfactorily solved, we shall be glad to consider a revised application for assistance to explore for additional reserves of this type of Material. If such a request is made by you, please refer to the subject docket.

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

Sincerely yours,

Administrator

TLChapman:foc
12-6-54
cc to: Docket
Code 400
Adm. Reading File
FT. REG. VI
Operating Comm.
Gilbert DeHuff, USBM
Thor H. Kiilsgaard, USGS

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 2 1954

December 1, 1954

Re: DMEA-3569
Arkansas Mining &
Exploration Corp.
(Adler Property)
Independence Co., Ark.
$47,746 - Manganese

WSM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Review of application

The operator requests exploration assistance to drill in Section 16, 21 and 22, T. 14 N. - R. 6 W. The purpose of the work is stated to be "to prove the ore reserves and to find the quantity, type and grade of (manganese) ore." Also, and I am quoting from the application --"We believe we will find the same type and grade of ore as we are now producing on the adjoining land."

This application is far from complete and fails to substantiate the applicant's contention that further exploration in the area is warranted.

The subject Corporation has ostensibly the same directors and management as the Westmoreland Manganese Corporation. This latter Corporation has had two DMEA contracts (Idm-E8 and Idm-E139) which were completed and certified as discoveries. The record on these projects is too well known to require any lengthy comment at this time.

This application in its present form is unacceptable; however, there is sufficient data available from previous projects to indicate that further exploration is not justified and further expenditure of Government funds at this time would be extremely unwise.

Until it has been established by the Westmoreland interests that the manganese deposits in the Westmoreland areas can be successfully mined, beneficiated and utilized, I do not believe we are justified in pursuing this matter any further. I have no objection to a denial being prepared on this application.

E. L. Newcomb

E. L. Newcomb

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

November 15, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VI

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VI.

DMEA - 3569 Arkansas Mining & Exploration Corp.

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

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

November 15, 1954
Subject: DMEA-3569
Re: Exploration Assistance
Adler

Arkansas Mining & Exploration Corp.
P. O. Box 312
Batesville, Arkansas

Gentlemen:

The receipt of your application dated October 23, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3569 and referred to the Iron and Ferro-Alloys Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 15 1954

P. O. Box #431
Joplin, Missouri

November 12, 1954

Airmail

Defense Minerals Exploration Administration
Docket and Control Branch
Department of the Interior
Washington 25, D. C.

Re: Pending application of Arkansas Mining and Exploration Corp. for manganese exploration section 16, T. 14 N., R. 6 W., Independence County, Ark.

Dear Sirs:

Transmitted herewith for assignment of a docket number, distribution, possible reviews, comments, and instructions by the Washington Office, are the original and two copies of the subject application as received by this Field Team Office on October 26. The fourth copy is being retained here in the pending application file.

Also enclosed are three copies of a letter and some supplemental information received from the applicant today in partial response to my October 29 letter to Mr. Miller, copies of which then were mailed to Washington.

Presumably the principals of this applicant corporation, naturally being prone to judge by the contract awards on the last two inadequately prepared application with which they were involved (Westmoreland dockets DMA-197X, and -2002X), probably considered that I was just being officious in requesting that more of the required application data be furnished. Since all of the pertinent maps and geologic data was removed from this office last February, I do not have access to any of that necessary information with which to supplement that in the application.

Although I do not consider that the subject application gives adequate information, and do not have any of that necessary information at hand, I do suspect that deposits may be inferred on the applicant's property which would warrant consideration for the requested DMEA project contract.

Very sincerely yours,

Clinton C. Knox

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

CCK/vks
Encl. (6)
cc: DMEA Op. Com. (2)
Appl. pending file

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

Department of the Interior
Defense Minerals Administration
RECEIVED
NOV 15 1954

P. O. Box #431
Joplin, Missouri

November 12, 1954

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Box 312
Batesville, Arkansas

Re: Your application for a manganese exploration contract section 16, T. 14 N., R. 6 W. Independence County, Ark.

Dear Mr. Miller:

The supplemental information received with your letter today, along with the copies of your application dated October 23, have been transmitted to the Washington Office for consideration.

I received the photostatic enlargements of the topographic map, you mentioned, with the location of your property marked thereon in red. The 50 acres included in your present mining operations are not indicated. From the reference in your application under item 5 (b), evidently I erroneously assumed that you had intended to enclose a larger scale map to illustrate your strip mine, its ore deposits, geologic features, the inferred deposits which warrant your proposed exploration, and the engineering plan for that exploration program. Submittal of such a map ordinarily is deemed necessary to attach as a part of any DMEA project contract that is written, similar, you may recall, to that attached to the Westmoreland contract under docket DMA-2002X.

Very sincerely yours,

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

CCK/vks

cc: DMEA Op. Com. (2)
Pending appl. file

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

P. O. Box #431
Joplin, Missouri

November 12, 1954

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Box 312
Batesville, Arkansas

Re: Your application for a manganese exploration contract section 16, T. 14 N., R. 6 W. Independence County, Ark.

Dear Mr. Miller:

The supplemental information received with your letter today, along with the copies of your application dated October 23, have been transmitted to the Washington Office for consideration.

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Very sincerely yours,

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

CCK/vks

cc: DMEA Op. Com. (2)
Pending appl. file

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 15 1954
RECEIVED
MINERALS TECHNOLOGY
DIVISION

NOV 12 1954

BUREAU OF MINES
JOPLIN, MO.

November 10, 1954

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region VI
United States Department of the Interior
Defense Minerals Exploration Administration
Joplin, Missouri

Re: Pending application for manganese exploration section 16, T 14 N., R 6 W, Independence County, Arkansas

Dear Mr. Knox:

In reply to your letter of October 29, 1954, we are submitting additional information regarding application for manganese exploration which we hope will be satisfactory. However, if further information is desired, we will be glad to furnish same.

I do not understand your statement that you did not receive our map attached sketched in red ink. Of course it is not sketched in detail, only the outline of the section we propose to drill is shown in red ink, and also parts of section 21 and section 22 which we propose to drill is outlined in red ink.

Yours very truly,

ARKANSAS MINING AND EXPLORATION CORP.

By Herman Miller
Herman Miller, President

HM:ms
Encl.

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

ADDITIONAL INFORMATION REGARDING APPLICATION FOR MANGANESE EXPLORATION.

Item 4 (a) Item 4 (a) on original application should read as follows:
We are mining and stripping on approximately Fifty (50) acres of the described property. We propose to drill on the balance of this property. We also have mines and a concentration plant on the adjoining land. The land is accessible for examination at any time.

Item 4 (c) The area proposed to be drilled is shown on map prepared by United States Geological Survey of Batesville, Arkansas, area addition of 1945-No. N-3545-W-9137.5/7.5. The Geological features are shown on map prepared by United States Geological Survey - 1950-mineral investigation-field study-map Mf-1 by John A. Straczek, June-July-1942, Douglas M. Kinney, July-1942-January-1943, geological cartograph by William A. Pamston and Freida Spurrier.

We have found pocket and ledge deposits of manganese ore on the Fifty (50) acres which we have mined on the described property. These deposits are producing on an average of 75 tons per week.

Item 5 (b) In order to furnish a map of the area to be drilled, we had a photostatic enlargement made from the United States Geological Survey, Batesville quadrangle-addition 1945-N-3545-W-9137.5/7.5 covering said section 16, T 14 N, R 6 W, and adjoining lands in Section 21 and Section 22. Of course, detailed features such as content veins, ore bearing beds, etc. are not yet known, the purpose of the proposed drilling being to determine these features and the extent of the manganese deposits thereon. As stated in the application, we contemplate drilling an average of 100 ft. on each drill hole, having found from actual mining from this area, ore is encountered at less than that depth. Naturally, when ore is not encountered the drill hole would be continued to a sufficient depth to determine the extent of the ore body.

A churn drill will be ~~employed~~ used. The sampling will be done under the direction of the Bureau of Mines Field Representative of Batesville as has been done on past contracts no. 197X and 2002 X.

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

Item 5 (b) Continued:
It is thought that 100 holes at 100 ft. depth will provide a reasonable amount of information in proving the quantity and quality of ore on this property. If you will check other drillings on a complete cost of footage, I feel you will find that this total of $4.77 per foot is very reasonable.

Item 7 (b) We propose to purchase a new W-20 drill from Bucyrus-Erie and auxiliary equipment for making an 8" drill hole down to the ore body. When the ore is struck, we will change to a 6" bit and put in 6" casing to complete the ore body. We propose to furnish not only the drilling equipment, but also all of the various items listed in detail under Item 6 of our application. The aggregate cost of which makes up our $4.77 per ft. estimated cost.

Item 7 (e) We are assured by the holder of the lien against the property that the subordination agreement will be fortheoming at the proper time.

COPY: Operating Committee

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

P. O. Box #431
Joplin, Missouri

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 4 - 1954

October 29, 1954

Mr. Herman Miller, President
Arkansas Mining and Exploration Corporation
Batesville, Arkansas

Re: Pending application for manganese exploration
Section 16, T. 14 N., R. 6 W
Independence County, Ark.

Dear Mr. Miller:

This is to acknowledge receipt of your application by registered mail on October 26.

Perhaps before I transmit your application to Washington, however, you would like for me to point out aspects which might disqualify it.

Please refer to your copy of the application:

Under item 4 (c), your application does not give the required description of "geologic features.....mineralization, type of deposit", nor do I have any favorable information of such on that particular property with which I can supplement your statements in the letter of transmittal that I must prepare.

5 (b) In the four copies of your application, I did not find your "map attached-sketched in red ink", which presumably was to have shown "the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc." As further explained in the answer to question 12 in the booklet on the Defense Minerals Exploration Program I sent on October 4 with the application forms requested by Mr. Holloway, "an explicit statement of the proposed exploration work" is not given. No explanations are offered as to the drill hole depth requirements, what type of drill will be employed, how the sampling will be done, why 10,000 feet of drilling will explore your 800-acre property, or why the estimated unit drilling cost there will be so much higher than at some other explorations.

7 (b) The application does not "explain in detail" how the proposed use of equipment owned by the corporation would constitute its share of the costs. As I understand the application, the exploration work is to consist primarily of drilling of some sort, yet no drill appears on the list of equipment, the use of which is evidently to comprise the corporation's entire share of the project costs. The answers to questions 15, 16, and 17 in the above-mentioned booklet, may shed some light for you on this aspect of obtaining the desired DMEA project contract. I might add for your benefit at this time, that ordinarily a depreciation rate of only 20 percent per year, prorated for the exact time that each piece of operator-owned equipment is actually in use on project exploration work, and if clearly stipulated in the contract, may be considered allowable when approving each monthly project report for the Government's participation payment. I believe you can see readily on that basis, the maximum allowance which can be made for the value placed on any of the pieces of listed equipment which actually would be used on the exploration, would not amount to the corporation's 25 percent of the proposed total $47,745 project cost.

Another aspect of your application (item 7 e), may be not of immediate concern, however, is the lack of assurance that a subordination agreement would be forthcoming from the holder of the large note owed by the corporation on the property, if a DMEA project contract should eventually be offered. Please refer to the answer to question 6 in the previously mentioned booklet. It seems logical that you and the Government would want some such assurance before spending more money and time in the processing of this application.

I sincerely believe that supplementing the statements made in your application, with at least the foregoing suggested additional details would be to your advantage at this time. Please bear in mind also that it is an assumption on my part that the Washington office has access to some general geologic maps, reports, and other data on the Batesville district which will eliminate the need for you to go into more detail that I have suggested here. Since the Geological Survey and its files and maps were moved from this office to Knoxville, Tenn., last February, I have not had ready access to much of that information needed for reviewing such applications.

Please let me know if you wish to revise your application or furnish suggested additional information before I transmit your application to Washington.

Very sincerely yours,

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

CCK/vks

cc: DMEA Oper. Comm (2)
App. pending file

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

RECEIVED
MINERALS TECHNOLOGY
DIVISION

OCT 26 1954

BUREAU OF MINES
JOPLIN, MO.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 15 1954

October 14, 1954

United States Department of the Interior
Defense Minerals Exploration Administration
Region VI
Joplin, Missouri

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

Dear Sir:

Attached you will find Form MF-103, Application For Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, as Amended.

Yours very truly,

ARKANSAS MINING AND EXPLORATION CORP.

By Herman Miller
Herman Miller, President

HM:ms

Enclosures

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 15 1951

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. 3569
Metal or Mineral MANGANESE
Date Received
Estimated Cost $47,746
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: Arkansas Mining and Exploration Corporation
P. O. Box 312
Batesville, Arkansas
Corporation - Incorporated in the State of Arkansas

(*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.

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

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

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 All of Section 16, T 14 N, R 6 W, 640 acres. N½ of NW¼ of Section 21, T 14 N, R 6 W, 80 acres: NW¼ of NE¼ of Section 21, T 14 N, R 6 W, 40 acres: NW¼ of NW¼ of Section 22, T 14 N, R 6 W, 40 acres. All land in Independence County, Arkansas.

(*b*) State any mine name by which the property is known. Adler

(*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 Promissory notes to John Collins, Agent for Adler and Fels Lands, in the amount of $70,304.00.

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

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.

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

(*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.

(*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.

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

---

(*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 10 days and be completed within 12 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.

(*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)? 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 October 23, 1954

ARKANSAS MINING AND EXPLORATION CO. P.
(Applicant)

By Herman Mathes
President

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

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

Department of the Interior
Bureau of Mines
Mineral Administration
RECEIVED
DEC 15 1954

Supplementary Sheet to Form MF-103

1.
(c) Herman Miller, President
Box 312
Batesville, Arkansas

Russell E. Egan, Vice President
4541 West Papin
St. Louis 10, Missouri

John L. Mothershead, Treasurer and Director
1220 Highway 61, North
Crystal City, Missouri

John H. Martin, Secretary and Director
Pyramid Life Building
Little Rock, Arkansas

Oliver M. McDougell, Director
5000 Gravois Ave.
St. Louis 16, Missouri

Marshall McGee, Director
553 Bates Street
Batesville, Arkansas

4.
(a) There has been no mining or exploration operations on the property described. We have mines and a concentration plant on the adjoining property. There has been no mining on the described land, but land is accessible for examination at any time.

See Item 4(a) of attachment to Miller's letter of Nov. 10 to Knox

(b) The adjoining land which we are now working (section 17) is producing an average of 75 gross wet tons of mamganese concentrates per week which is being sold to General Services Administration, Domestic Manganese Purchase Program, under Certificate of Authorization DA-51.

(c) We wish to drill on the land described herein for the following reasons:
To prove the ore reserves
To find the Quantity, type and grade of ore.
We are attaching maps of described land which you may keep along with this application for your files. We believe we will find the same type and grade of ore as we are now producing on the adjoining land.

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

Supplementary Sheet - Page 2

4 - continued

(d) Land is five (5) miles from shipping point. Good roads right up to property.

(e) Manpower, materials, supplies, equipment, water and power are all available. We own the following equipment which we propose to furnish as our share of the cost of the drilling:

all for production not for use in the drilling exploration program

Mining Equipment:
- 3 - shovels
- 3 - bulldozers
- 1 - air compressor
- 1 - loader
- 5 - trucks

Mill Equipment:
- 1 - feed bin for wash dirt (200 ton capacity)
- 1 - 8' x 10' grizzley
- 1 - 8' x 10' washer
- 2 - 30' double log washers
- 1 - 4 x 8 double deck vibrating screen
- 3 - storage bins for feed for 3 jigs
- 3 - bins for storage (150 ton capacity)

5.
(b) Map attached - sketched in red ink.

(d) Harry H. Holloway will supervise the operations of the exploration project. He was in charge of past similar contracts no. 197X and 2002X.

6. See attached cost sheet.

ARKANSAS MINING AND EXPLORATION CORPORATION
PHONE 1123
BATESVILLE, ARKANSAS

ESTIMATE OF COSTS

6.

Miscellaneous Supplies	$ 375.45
Transportation	573.25
Engineering and Geological	2,789.32
Road Building	1,336.12
Analyses fees	1,747.02
Drilling	30,723.21
Express, Postageand Freight	253.55
Wages and Salaries	8,877.98
Compensation Insurance	291.98
Other Insurance	16.17
Arkansas Unemployment Tax	26.52
Telephone	156.63
2% F.I.C.A. Expense	177.97
Miscellaneous Expense	400.73
	47,745.90

(a) None. Will drill 10,000 ft. @ $4.77 per ft.

(b) Unit basis - See Item 6.

(c) See Item 6.

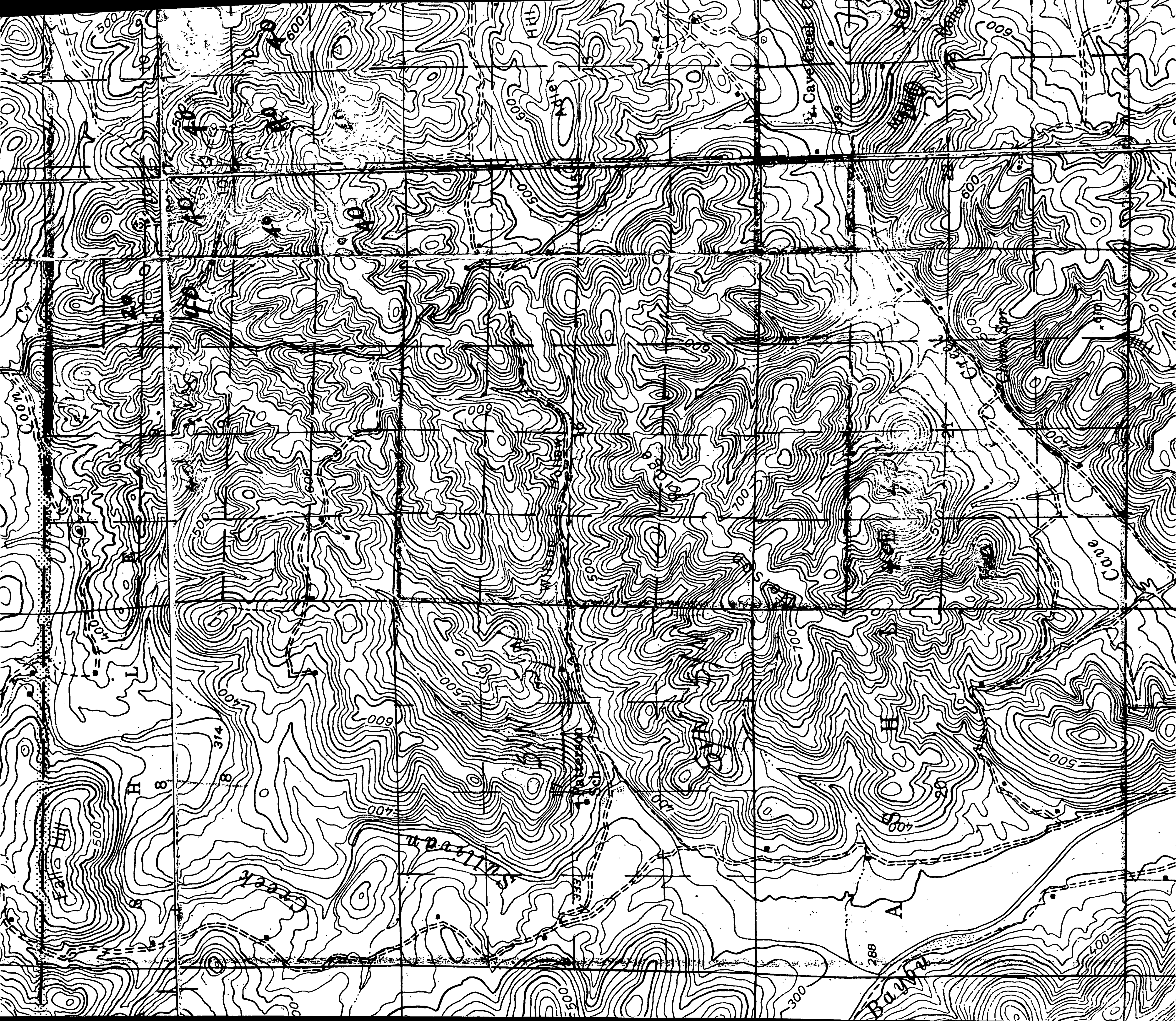
(d) See Item 4 (e)

(e) None

(f) None

(g) See Item 6.

(h) 5% of the above estimated cost (Item 6) is for contingencies.


Coon
Cr
Cave Creek
Hill
Falls Hill
Patterson Sch
Creek
Cave
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Bayou
314
333
288
500
600
400
700
300

BUREAU OF MINES
1801 NORTH DIVISION STREET
SPOKANE 2, WASHINGTON

OFFICIAL BUSINESS

SPOKAN WASH.
JY 7 6 PM
1954

1954

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

LEGEND

Cb	Boone Chert (Mississippian)
Oc	Cason Shale (Upper Ordovician)
Of	Fernvale Limestone (Upper Ordovician)
Om	Middle Ordovician Formations
Of	Manganiferous Limestone
Of	Weathered Manganese-bearing Limestone
	Manganese-bearing Talus-residuum Deposits
	New Prospect Trenches
	Indicated "Sink Holes"
	Exploratory drill holes, shafts, and pits
	Manganese ore indications in existing exploratory drill holes, shafts, and pits

Scale in feet
0 500 1000

Topographic Contours
Interval- 20 feet

Largely compiled from the Geologic Map of the Batesville Manganese District by Straczek and Kinney, published by the Geological Survey in 1950, from data in Bureau of Mines' R. I. 4859, and its more recent unpublished priliminary mapping and other data obtained by Cooper and Kline, engineers engaged in the cataloguing of the various manganese-bearing deposits in the Batesville district.

SKETCH MAP

Section 16 and parts of 21 and 22,
T. 14 N., R. 6 W.,
Independence County, Arkansas
Batesville Manganese Mining District
Docket DMEA-3569 (manganese)
Arkansas Mining & Exploration Corporation
Batesville, Arkansas

Knox 10-20-55