DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3230

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This document has been recorded as

Exploration Assistance

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Cys to USBM and USGS and retained in Reg. II

Routing Slip

To:	Iron & Ferro Alloys	Date	1/8/54
To:	Ofcr Com.	Date	5-28-54
To:	Oper Com	Date	9-17-54
To:		Date	
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DO NOT DETACH

CONTROLLED DOCUMENT

SEP 17 1954

3230

Mr. Will Hendrix
Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Jenny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

This will acknowledge your letter of August 30, 1954, with regard to the status of the above-docketed application for exploration assistance. Your application and other data available to us in Washington concerning the above-referenced property have been reviewed.

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

Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FARUTLEDGE:foc
9-13-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
Mr. DeHuff, USBM
Mr. Kilsgaard, USGS

September 13, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $7,840.00
Docket No. DMEA 3230 - Manganese
Will Hendrix
Penny Lou No. 1 & Success claims
Meagher County, Montana

The denial of the subject application by this Division is based on the following information:

1. The Applicant proposed an exploration program consisting of stripping that was essentially development. Information submitted with the application was incomplete, and after numerous unsuccessful attempts to obtain the required data from Mr. Hendrix, the Field Team was requested to make a field examination of the property.

2. Manganese mineralization on the William Hendrix property appears to be confined to one or more favorable beds that have been more or less completely replaced by very fine-grained chalcedony, opal, and manganite. Some pyrolusite after manganite is present. The size of individual ore bodies may be indicated by the body exposed in the main pit. This body has a strike length of 130 feet, a breadth of 20 to 30 feet, and a thickness ranging from a few inches to over 6 feet. Not all of this material, however, was of ore grade, and the body was essentially flat.

3. A grab sample by the examining field team of run-of-mine manganiferous material contained 20.51 percent manganese, 48.48 percent silica, 1.60 percent iron, and 0.416 percent phosphorus. The Applicant reported two shipments as follows:

Lot	Weight pounds	Percent			
		Manganese	Silica	Phosphorus	Moisture
1	84,540	27.7	37.4	0.77	3.8
5	29,300	34.1	29.7	0.41	1.5

4. The examining field team recommended denial of the subject application because: (a) The probability of developing large quantities of manganese ore is considered to be small, and (b) The low grade of the material shipped suggests the operator would have difficulty in mining a marketable product.

5. The Field Team concurs with the recommendation for denial.

6. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

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

CC: Docket
Code 400
Adm. Reading File
Operating Comm.

FARutledge:foc
9-13-54

IN REPLY REFER TO:

402

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

September 13, 1954

Re: DMEA-3230
William Hendrix Property
Meagher County, Montana
Manganese

Memorandum

To: W. S. Martin
Defense Minerals Exploration Administration

WSM

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

Subject: Concurrence with Field Team recommendation for denial

Although small amounts of manganese ore were shipped from this property in 1953, the field examination indicated that a significant discovery of manganese ore is unlikely to be found.

I concur with the Field Team's conclusions and recommend the application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-9/13/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Gilbert DeHugg, 3523

The attached map was not enclosed with Robert A. Weeks' report transmitted to you August 25, 1954. Mr. E. L. Newcomb called our attention to this oversight.

Reg. II

9/8

400

OFFICE OF THE ... Richards Administrator
RECEIVED
SEP 13 1954

xxxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 8, 1954

Mr. E. L. Newcomb, Geologist
U. S. Geological Survey
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3230 (manganese)
William Hendrix property
Meagher County, Montana

Dear Mr. Newcomb:

With reference to your letter of September 3, we are enclosing a copy of a map which should have accompanied the report of Robert A. Weeks on the cited application dated August 24, 1954.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEA w/8 maps
USGS w/2 maps
USGS (SEC) w/1 map

JUN 1954

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 3230-Manganese
Will Hendrix
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Weissenborn:

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

Enclosed are two copies of each of the following letters from the applicant:

(1) Letter dated January 22, 1954

(2) Letter dated April 24, 1954, transmitting two settlement sheets from Columbia-Geneva Steel.

(3) Letter dated May 17, 1954, with attached claim map showing workings.

In addition, two copies of a relevant memorandum by Louis Pavlides, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

C. H. Johnson

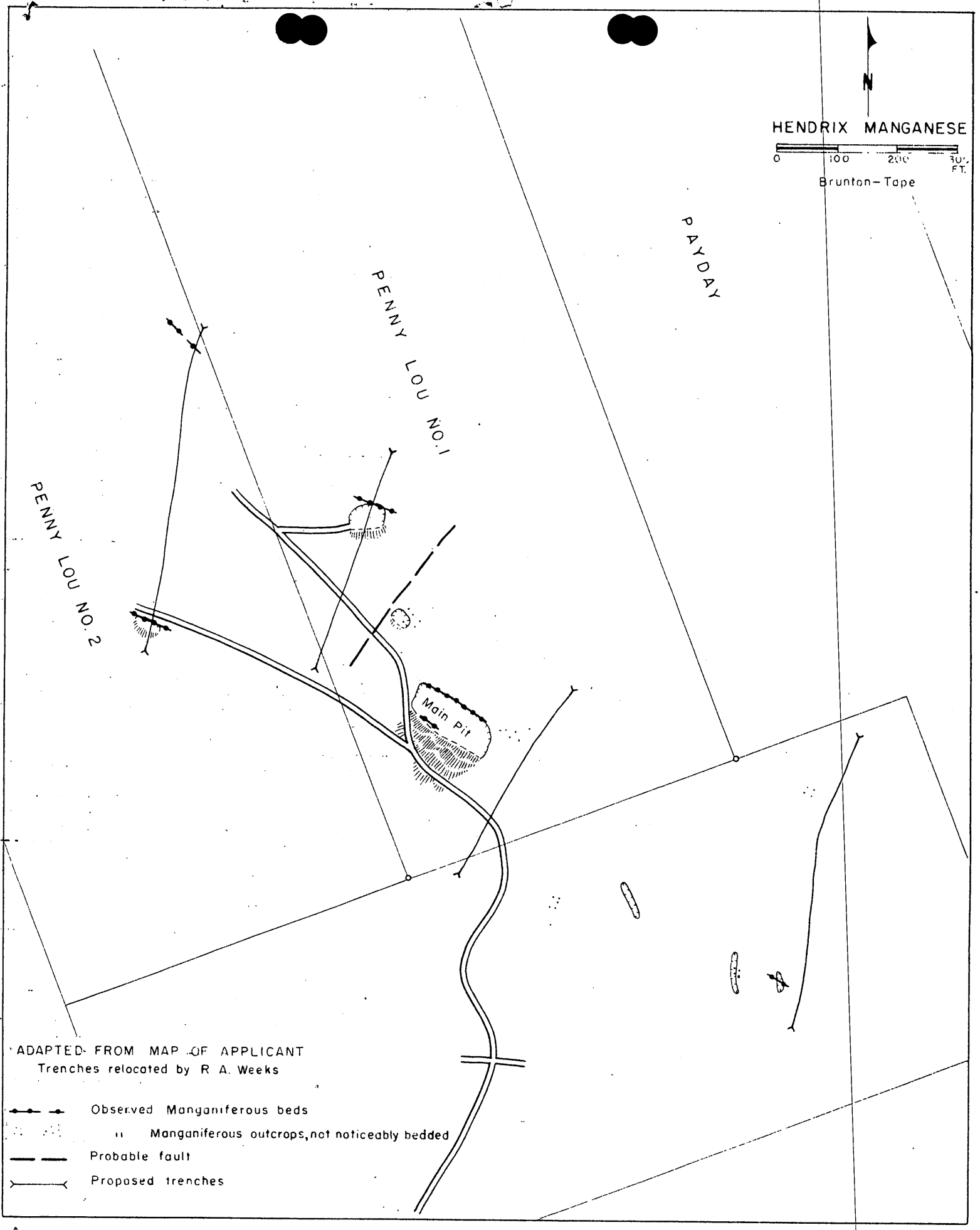
Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

cc: DOCKET
FT, REG. II
CODE 400
ADM. READ. FILE
OPER. COMM.
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

FARutledge/ls
5/24/54


HENDRIX MANGANESE
0
100
200
300 FT.
Brunton-Tape
N
PAYDAY
PENNY LOU NO. 1
PENNY LOU NO. 2
Main Pit
ADAPTED FROM MAP OF APPLICANT
Trenches relocated by R A. Weeks
Observed Manganiferous beds
" Manganiferous outcrops, not noticeably bedded
Probable fault
Proposed trenches

400

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
~~XXXXXXXXXXXXXXXXXXXX~~
So. 157 Howard Street
Spokane 4, Washington

August 25, 1954

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

Re: Docket No. DME-3230 (manganese)
William Hendrix property
Meagher County, Montana

Dear Mr. Selfridge:

Enclosed are 4 copies of a report by R. . Weeks, Geological Survey, recommending denial of an exploration project at the William Hendrix property.

It is felt that the small size of the mined ore bodies, and their low manganese content, combined with high silica and phosphorus content shown by the samples, indicates the property is not worth further exploration by the Government. The Field Team therefore concurs with the recommendation for denial.

By Field Team, Region II

.. E. Weissenborn, Executive Officer
U. S. Geological Survey

Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosure

cc: UGBM (2)
Weeks

Reviewed by
DMEA OPERATING COMMITTEE
9-3-54
(date)

AUG 30 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

August 24, 1954

Memorandum

To: DMEA Field Team, Region II

From: Robert A. Weeks, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3230 (manganese), Field examination and recommendation for denial of William Hendrix property, Meagher County, Montana

The subject property was examined with the applicant on June 28, 1954. A brunton and tape map of the principal exploration trenches was prepared and revised in part from the map furnished by the applicant.

The deposit is located on the west flank of a ridge between Spring Creek and the East Fork of Spring Creek. The deposit is half a mile from a good road extending along the main valley of Spring Creek to Montana Highway 6 at a point 7 miles west of Martinsdale.

The deposit occurs in relatively flat to gently dipping Paleozoic sedimentary rocks. The ore zone appears to be one or more favorable beds that have been more or less completely replaced by very fine-grained chalcedony, opal and manganite. Some pyrolusite after manganite is present. The original composition of the bed or beds that have been favorable is not certain but probably was a thin-bedded impure limestone.

Topographically, and probably stratigraphically, above the ore bed, exposures of well-bedded to massive-bedded fossiliferous limestone occur. Fossils include horn corals, brachiopods, gastropods, crinoid stems and plates, and probable bryozoans. The assemblage suggests a Devonian or Mississippian age, and the lithology suggests probable correlation with the Madison Group.

Reviewed by
DMEA OPERATING COMMITTEE
9-3-54
(date)

The rocks appear to be moderately folded, and one probable fault was observed. The exposures in natural outcrops and trenches were inadequate to permit determination of the dip of the ore horizon or horizons. The limestone above the manganiferous bed along the side line between the Penny Lou No. 1 and No. 2 claims dips 20° northeast. The manganiferous zone exposed in the main pit and in several other pits appears to dip very gently southwest, but there are no outcrops of material with recognizable bedding. The manganiferous zone trends parallel to the ridge top running northwestward through the Success, Payday, Penny Lou No. 1 and Penny Lou No. 2 claims.

No ore reserves can be calculated for the property. The grade of material shipped by the applicant in 1953 can be presumed to represent about the maximum grade of manganese ore that will be discovered. A grab sample of run-of-mine manganiferous material was collected; it contained 20.51 percent manganese, 48.48 percent silica, 1.60 percent iron and 0.416 percent phosphorus. The size of individual ore bodies may be indicated by the body exposed in the main pit. This body has a strike length of 130 feet, a breadth of 20 to 30 feet and a thickness ranging from a few inches to over 6 feet. Not all of this material was of ore grade, and some selectivity would be required to sort ore and waste. The body was essentially flat. Associated with and spatially above each of the occurrences of manganiferous material is a dense, light yellowish-brown chalcedonic rock, and several occurrences of this material were seen that did not have manganiferous material exposed. The distribution of the manganiferous occurrences suggests that at least two separate horizons may be present.

The presence of small amounts of commercial-grade manganese ore is demonstrated by the 1953 shipments. The probability of developing large quantities of manganese ore is considered to be small, and the low grade of the material shipped suggests the operator would have difficulty in mining a marketable product. The nearness of the manganiferous material to the surface suggests that the operator should be encouraged to continue exploiting that part of the deposit that can be mined by open pitting.

Enclosure

Distribution:
DMEA (4)
USBM (2)
USGS (SRO)
Weeks
Docket

400

JUN - 4 1954

Mr. Will Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Reference is made to the subject docket and your letter of May 17, 1954, transmitting a blue print copy of a claim map showing the proposed exploration.

Additional prints of your map have been prepared here for our use and we are, therefore, returning your only copy as you requested. We thank you for the other information sent to us in your same letter.

Sincerely yours,

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

Enclosure

Copy to: DOCKET
FT, REG. II
CODE 400
ADMINISTRATIVE READ.FILE

FARutledge/WSMartin/ls
6/3/54

400

JUN - 1 1954

Mr. Will Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230-Manganese
Penny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

The above-docketed application for exploration assistance for manganese has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

G. O. Mittendorf

Administrator

cc: Docket
Field Team, Reg. 2
Code 400
Adm. Read. File
Oper. Comm.
G. DeHuff, USBM
Martha Carr, USGS

FARutledge/ls
5/24/54

400

C
O
P
Y

Sumatra, Montana
May 17, 1954

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

ATTN: W. S. MARTIN
Chief Iron and Ferro-Alloys Division

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Martin:

I wish to thank you for your letter of April 28th, 1954, in connection with the above designated claim, and will attempt to answer the questions in your letter in the same order in which they appeared.

1. There was no deduction from the freight on Lot 1 Settlement Sheet No. I 3733 as the Columbia-Geneva Steel Company paid the freight.

2. In compiling the data submitted with my application for exploration assistance, I estimated that about 90 tons of Manganese had been shipped. However, I over-estimated the amount and only 49.191 dry long tons actually were shipped.

3-a. The vein to be explored varies from 10 feet to 6 inches in width, approximately 1800 feet in length and the grade of the vein shows same to be from 25% to 34%.

3-b. I am enclosing herewith a sketch map of deposits showing the exploration completed and location of proposed work. I do not have a copy of the map, so the enclosed is a new map.

Please advise if there is anything further you need in order to process this application.

Yours truly,

Signed: WILL HENDRIX

Sumatra, Montana

APR 28 1954

Mr. Will Hendrix
Sumatra, Montana

Re: Docket No. DMEA 3030 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Hendrix:

This will acknowledge receipt of your letter of April 24, 1954, enclosing copies of two settlement sheets covering shipments of manganese to the Columbia-Geneva Steel Company, Geneva, Utah. Settlement No. 1, 3409 showed a deduction for freight of $371.79. There was no deduction given for the freight on Lot 1, Settlement sheet No. I 3733, and it would be appreciated if you would furnish us with this information.

The data submitted with your application for exploration assistance indicated that about 90 tons of manganese had been shipped. The two settlement sheets submitted cover 49.191 dry long tons. Other settlement sheets, if available, should also be submitted.

The claim map submitted with your application is not sufficient to answer Items 2 and 3 of our letter of January 21, 1954. It will therefore be appreciated if you will furnish the data requested:

a. Width, length, and grade of vein to be explored, so far as known.

b. Sketch map of deposits showing exploration completed and location of proposed work. Geology to be included if possible. This information may be indicated on a copy of the claim map already submitted.

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

FARutledge:fec 4-28-54
cc to: Docket
Code 400
RT.
Admr. Reading File

Sincerely yours,

S. G. Ruth, Chief
Iron and Ferro-Alloys Division

400

C O P Y

Sumatra, Montana
April 24, 1954

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

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Sir:

Enclosed is information you requested regarding the above subject claim. Map has previously been forwarded to your office. Please let me know if you do not have it and I can forward another.

If there is any further information you need, please let me know.

Yours very truly,

Signed: William Hendrix

WILLIAM HENDRIX

C O P Y

COLUMBIA-GENEVA STEEL

MANGANESE ORE SETTLEMENT

I 3733

Hendrix Mine Penny Lou No. 1
Martinsdale, Montana

Lot #1

Lessor: H. H. Ellerbeck

Pur. Order No. I 40034 Geneva, Utah Oct. 8, 1953

Car. No. DRGW 46002

Analysis:				
Moisture	3.8	Fe	1.5
Insoluble		SiO_2	37.4
Manganese	27.7	Phos	.77
Sulphur	.019	As	.009
Zn.	.02		

Weights:			
Gross	135,100		
Tare	50,560		
Net	84,540	42.27 Tons	
Moisture	3,212		
Dry Net (pounds)	81,328		

36.307 Dr. Gr. Tons @ $27.70 Base Price Per Gr.Ton $1,005.70

Less: Utah Ore Sampling Company Charge 56.25

$ 949.45

COPY

COLUMBIA-GENEVA STEEL

MANGANESE ORE SETTLEMENT

Hendrix Mine Penny Lou I 3109
Martinsdale, Montana

Lessor: H. H. Ellerbeck

Lot # 5

Pur. Order No. 26152 Geneva, Utah Aug. 11, 1953

Carno. MILW 93116

Analysis:	Moisture	1.5	fe	1.7
	Insoluble		SiO_2	29.7
	Manganese	34.1	Phos	.41
	Sulphur	.028	As	.0005
	Zn	.01		

Weights:	Gross	76,160
	Tare	46,860
	Net	29,300
	Moisture	440
	Dry Net (pounds)	28,860

12.884 Dry Gr. Tons @ $34.10 Base Price per Gr. Ton $439.34

	$439.34
Less Dr. Bill	371.79
Pd. Aug. 21, 1953	$ 67.55

APR 8 1954

Mr. William Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Reference is made to your application for exploration assistance under the subject docket. On January 21, 1954, we wrote to you requesting additional information needed to process the application.

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

Sincerely yours,

SIGNED

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

CC: DOCKET
CODE 400
FIELD TEAM, REG. II
ADM. READING FILE

FARutledge/ls 4/7/54

400

JAN 28 1954

Mr. William Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230-
Manganese
Penny Lou No. 1 and
Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Your letter of January 22, 1954, to Mr. Robert E. Adams, apparently crossed in the mail with our letter to you of January 21, 1954, regarding the subject application.

Until we receive from you the information requested in our above-mentioned letter, we will be unable to answer your inquiry as to whether we will have an engineer in your area at some time during the coming spring.

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

Sincerely yours,

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

WSMartin/ls
1/27/54

cc: Docket
Code 400
FT, Reg. 2
Adm. Read. File
Gilbert DeHuff, USBM
Louis Pavlides, USGS

400

C O P Y

Sumatra, Montana

January 22, 1954

Mr. Robert E. Adams, Chief
Operations Control and Statistics Division
Department of Interior
Washington 25, D. C.

Re: DMEA-3230
Exploration Assistance

Dear Sir:

I am in receipt of your letter of January 8, 1954.

Our development work will be of taking off the overburden of several feet of gravel and then taking off the lime-silica capping. Work will be taking off the overburden and working in an open pit.

I would like to know if you will have an engineer in this area sometime this Spring. If not, I do not intend to bother with employing another engineer.

Yours very truly,

Signed: William Hendrix

William Hendrix

WH:jjr

JAN 21 1954

Mr. Will Hendrix
Sumatra, Montana

Re: Docket No. DMEA 3230 -
Manganese
Penny Lou No. 1 and
Success claims
Meagher County, Montana

Dear Mr. Hendrix:

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

The information submitted with your application, however, is insufficient to justify a field examination by the Government. No data were submitted to substantiate the occurrence of manganese on the referenced property. Before your application can be considered further, you should furnish us with the following data:

(1) Grade of ore mined, with copies of settlement sheets of ore shipped.

(2) Width, length, and grade of vein to be explored, so far as known.

(3) Sketch map of deposits showing exploration completed and location of proposed work. Geology to be included if possible.

Your attention is also called to Sec. 2(a) of the enclosed DMEA Order-1, as amended, as follows:

> "This work shall not go beyond a reasonable delineation and sampling of the ore, and shall not include work prosecuted primarily for mining or preparation for mining."

The foregoing limitation should be considered in formulating your exploration program.

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

Sincerely yours,

SIGNED

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

Enclosures

cc: DOCKET
FIELD TEAM, REG. II
CODE 400
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

FARutledge/ls
1/19/54

400

January 13, 1954

Memorandum

To: Mr. W. S. Martin, DMEA

From: Louis Pavlides, USGS

Subject: DMEA-3230 (Manganese), William Hendrix, Sumatra; Meagher County, Montana.

There is no specific information in the U. S. Geological Survey's files on the subject properties described as the Penny Lou No. 1 Mining Claim in secs. 20 and 21, and the Success Mining Claim in secs. 21 and 28, all in T. 10 N., R. 10 E., of Meagher County, Montana. A field team examination might be necessary, therefore, if the applicant can document his application with more specific information indicating that these prospects contain material that will meet present purchase specifications. Specifically, the applicant should be requested to furnish:

1. A location map and a map or sketch of the deposits showing amount of exploration and development work completed thus far and the specific exploration work he proposes to do under a DMEA loan.

2. More detailed assay information, if available; in addition to the cited 25-34 percent manganese content for these "ores", i.e., percent of iron, silica plus alumina, phosphorous, and copper plus lead plus zinc. Also it would be interesting to know where the estimated 90 tons of ore were shipped to and if the shipment was acceptable to the consignee.

The applicant appears to have confused development work with exploration. His statements in item 4-c,

". . . with the overburden taken off, we should uncover quite a deposit," and in item 5-b,

"We propose to take off the overburden to get to the ore," indicate that he is interested in a stripping operation which, in my opinion, is development work and does not qualify for an exploration loan.

It is recommended that the applicant be requested to furnish the above-cited information and also to revise his application to include exploration and not development work, before this application be further processed.

Louis Pavlides
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

January 5, 1954

dlmca 3230
mn

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

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for a DMEA contract submitted by Will Hendrix, Sumatra, Montana. The application proposes exploration on a manganese property. One copy of the application has been retained for the files of this office.

It is believed that the applicant's property is currently covered with snow and, therefore, no field examination will be scheduled unless requested by the Operating Committee. If such a request is made, it will probably not be possible to make the examination until late May or June.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)

400

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JAN 8 1954

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. 3230
Metal or Mineral Manganese
Date Received 1-8-54
Estimated Cost $7,840
Participation (Government %) 75%

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: Will Hendrix, Sumatra, Montana

(*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 Penny Lou No. 1 Mining Claim in Sections 20 and 21, and Success Mining Claim in Sections 21 and 28, all in Township 10 North, Range 10 East, Meagher County, Montana.

X

(*b*) State any mine name by which the property is known. Spring Creek Mining District

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None.

(*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*) [redacted] the mineral or minerals for which you wi[redacted] explore Manganese

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

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

(*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.). None.

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

(*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 December 14, 1957

Will Hendrix
(Applicant)

By

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4. (a) We have run a cut of 25 feet by 70 feet, taking of the overburden with a caterpillar. We have made roads to the property.

(b) The grade of ore we have shipped has run from 25% to 34%. We have shipped two carloads. Would estimate about 90 tons.

(c) The overburden is anywhere from 20 feet to 30 feet deep. This deposit is a bedding and runs northwest and southeast and the croppings run very true and on each side of the vein. My reason for wishing to explore, according to outcripping and ore in sight, are that with the overburden taken off, we should uncover quite a deposit.

(d) This deposit is 22 miles from Martinsdale, which is the rail head on the Milwaukee Railroad. Roads have been built to the property.

(e) There is a power line within 1½ miles of the property and Spring Creek runs within 1 mile of the property.

5. (b) The exploration work will be done on the Success and Penny Lou No. 1 mining claims. We propose to take off the overburden to get to the ore. To date we have cut down about 25 feet on the side of the mountain and made an open cut where we took out the ore but we used a No. 6 Caterpillar, which was too small. We prefer getting a No. 8 which we can get for $16.00 an hour.

(d) The applicant has mined off and on since 1914 and shipped ores from mines to different smelters in Nevada and Utah. The applicant will supervise this project.

6. Estimate of costs:

2 Miners @ $12.50 per day for 40 days	$1,000.00
2 Laborers @ $9.00 per day for 40 days	720.00
Caterpillar @ $16.00 an hr., $128.00 per day, 40 days	5,120.00
Compressor @ $15.00 per day for 20 days	300.00
Supervision and use of pick-up truck	700.00
	$7,840.00

Applicant proposes to furnish his share of the costs in cash and use of his pick-up truck.

400

Docket
Surname

Rutledge
Martin
DeHuff
Newcomb
Hedges
Kilsgaard
Selbridge
Johnson

SEP 17 1954

Mr. Will Hendrix
Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

This will acknowledge your letter of August 30, 1954, with regard to the status of the above-docketed application for exploration assistance. Your application and other data available to us in Washington concerning the above-referenced property have been reviewed.

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

Careful study of all our information, although noting the occurrence of manganese mineralization on your property, indicates to us that the probability of disclosing minable manganese ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

Frank E. Johnson
(by 657)
ACTING Administrator

FARUTLEDGE:foc
9-13-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. II
Mr. DeHuff, USBM
Mr. Kilsgaard, USGS

R.C.S.

Docket
Surname
Rutledge
Martin
Newcomb

September 13, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $7,840.00
Docket No. DMEA 3230 - Manganese
Will Hendrix
Penny Lou No. 1 & Success claims
Meagher County, Montana

The denial of the subject application by this Division is based on the following information:

1. The Applicant proposed an exploration program consisting of stripping that was essentially development. Information submitted with the application was incomplete, and after numerous unsuccessful attempts to obtain the required data from Mr. Hendrix, the Field Team was requested to make a field examination of the property.

2. Manganese mineralization on the William Hendrix property appears to be confined to one or more favorable beds that have been more or less completely replaced by very fine-grained chalcedony, opal, and manganite. Some pyrolusite after manganite is present. The size of individual ore bodies may be indicated by the body exposed in the main pit. This body has a strike length of 130 feet, a breadth of 20 to 30 feet, and a thickness ranging from a few inches to over 6 feet. Not all of this material, however, was of ore grade, and the body was essentially flat.

3. A grab sample by the examining field team of run-of-mine manganiferous material contained 20.51 percent manganese, 48.48 percent silica, 1.60 percent iron, and 0.416 percent phosphorus. The Applicant reported two shipments as follows:

Lot	Weight pounds	Percent			
		Manganese	Silica	Phosphorus	Moisture
1	84,540	27.7	37.4	0.77	3.8
5	29,300	34.1	29.7	0.41	1.5

R.C.L.

4. The examining field team recommended denial of the subject application because: (a) The probability of developing large quantities of manganese ore is considered to be small, and (b) The low grade of the material shipped suggests the operator would have difficulty in mining a marketable product.

5. The Field Team concurs with the recommendation for denial.

6. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

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

CC: Docket
Code 400
Adm. Reading File
Operating Comm.

FARutledge:foc
9-13-54

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

September 13, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $7,840.00
Docket No. DMEA 3230 - Manganese
Will Hendrix
Penny Lou No. 1 & Success claims
Meagher County, Montana

The denial of the subject application by this Division is based on the following information:

1. The Applicant proposed an exploration program consisting of stripping that was essentially development. Information submitted with the application was incomplete, and after numerous unsuccessful attempts to obtain the required data from Mr. Hendrix, the Field Team was requested to make a field examination of the property.

2. Manganese mineralization on the William Hendrix property appears to be confined to one or more favorable beds that have been more or less completely replaced by very fine-grained chalcedony, opal, and manganite. Some pyrolusite after manganite is present. The size of individual ore bodies may be indicated by the body exposed in the main pit. This body has a strike length of 130 feet, a breadth of 20 to 30 feet, and a thickness ranging from a few inches to over 6 feet. Not all of this material, however, was of ore grade, and the body was essentially flat.

3. A grab sample by the examining field team of run-of-mine manganiferous material contained 20.51 percent manganese, 48.48 percent silica, 1.60 percent iron, and 0.416 percent phosphorus. The Applicant reported two shipments as follows:

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5	29,300	34.1	29.7	0.41	1.5

4. The examining field team recommended denial of the subject application because: (a) The probability of developing large quantities of manganese ore is considered to be small, and (b) The low grade of the material shipped suggests the operator would have difficulty in mining a marketable product.

5. The Field Team concurs with the recommendation for denial.

6. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

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

Docket

IN REPLY REFER TO:

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

September 13, 1954

Re: DMEA-3230
William Hendrix Property
Meagher County, Montana
Manganese

Memorandum

To: W. S. Martin
Defense Minerals Exploration Administration

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

Subject: Concurrence with Field Team recommendation for denial

Although small amounts of manganese ore were shipped from this property in 1953, the field examination indicated that a significant discovery of manganese ore is unlikely to be found.

I concur with the Field Team's conclusions and recommend the application be denied.

E. L. Newcomb

E. L. Newcomb

Copy retained

Docket

RECEIVED
SEP 13 1954

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

September 8, 1954

Mr. E. L. Newcomb, Geologist
U. S. Geological Survey
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-3230 (manganese)
William Hendrix property
Meagher County, Montana

Dear Mr. Newcomb:

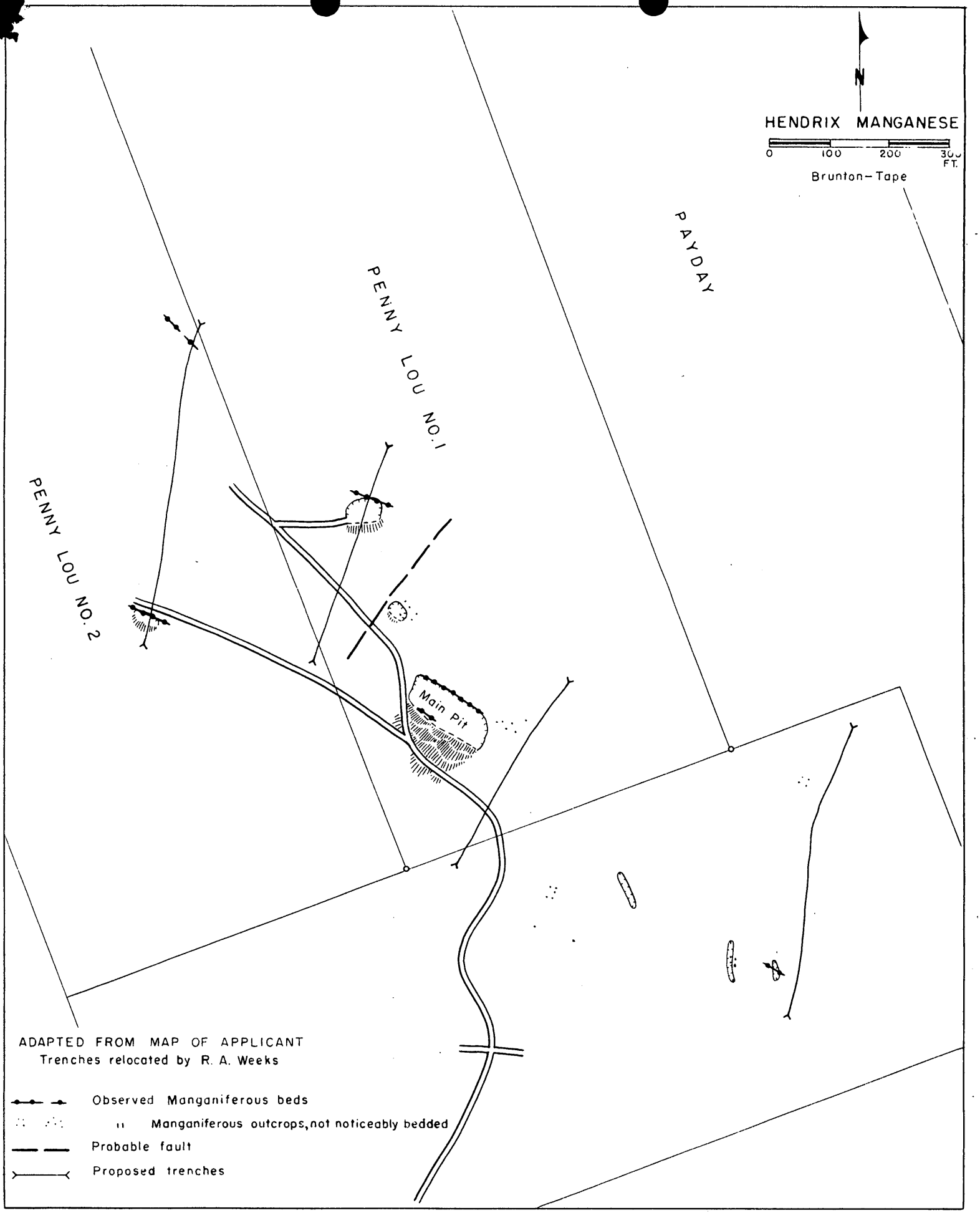
With reference to your letter of September 3, we are enclosing a copy of a map which should have accompanied the report of Robert A. Weeks on the cited application dated August 24, 1954.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: DMEA w/2 maps
USBM w/2 maps
USGS (SRO) w/1 map


N
HENDRIX MANGANESE
0
100
200
300
FT.
Brunton-Tape
PAYDAY
PENNY LOU NO. 1
PENNY LOU NO. 2
Main Pit
ADAPTED FROM MAP OF APPLICANT
Trenches relocated by R. A. Weeks
Observed Manganiferous beds
" Manganiferous outcrops, not noticeably bedded
Probable fault
Proposed trenches

Department of the Interior
Defense Minerals Administration
RECEIVED
SEP 7 1954

August 30, 1954
Sumatra
Montana

WSM

Mr. C. O. Mithendorf
United States Department of the Interior
Defense Minerals Exploration Administration

Re: Docket No. DMEA 3230-Manganese
Penney Lou No. 1 & Success Claims
Meagher County, Montana

Dear Mr. Mithendorf:

I am anxious to know when you can do something about the above as it is now getting late in the year and we are eager to get to work on this as soon as possible.

Thank you for any consideration you can give me in regard to this matter and would appreciate hearing from you as soon as possible.

Very truly yours,

Will Hendrix

Will Hendrix

8/31 - T.T. said very
Thru OC 9/3

RECEIVED
SEP 1 1954
U. S. G. S.
SPOKANE, WASH.

Docket

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

August 25, 1954

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

WSAJ

Re: Docket No. DMEA-3230 (manganese)
William Hendrix property
Meagher County, Montana

Dear Mr. Selfridge:

Enclosed are 4 copies of a report by R. A. Weeks, Geological Survey, recommending denial of an exploration project at the William Hendrix property.

It is felt that the small size of the mined ore bodies, and their low manganese content, combined with high silica and phosphorus content shown by the samples, indicates the property is not worth further exploration by the Government. The Field Team therefore concurs with the recommendation for denial.

By Field Team, Region II

A. E. Weissenborn

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Wing G. Agnew

Wing G. Agnew, Member
U. S. Bureau of Mines

Thru OC 9/3

Enclosure

cc: USBM (2)
Weeks

Reviewed by
DMEA OPERATING COMMITTEE
9-3-54
(date)

cleared OC
9-3-54
JAR

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 30 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

August 24, 1954

9/16/54

Memorandum

To: DMEA Field Team, Region II

From: Robert A. Weeks, Geologist, U. S. Geological Survey

Subject: Docket No. DMEA-3230 (manganese), Field examination and recommendation for denial of William Hendrix property, Meagher County, Montana

The subject property was examined with the applicant on June 28, 1954. A brunton and tape map of the principal exploration trenches was prepared and revised in part from the map furnished by the applicant.

The deposit is located on the west flank of a ridge between Spring Creek and the East Fork of Spring Creek. The deposit is half a mile from a good road extending along the main valley of Spring Creek to Montana Highway 6 at a point 7 miles west of Martinsdale.

The deposit occurs in relatively flat to gently dipping Paleozoic sedimentary rocks. The ore zone appears to be one or more favorable beds that have been more or less completely replaced by very fine-grained chalcedony, opal and manganite. Some pyrolusite after manganite is present. The original composition of the bed or beds that have been favorable is not certain but probably was a thin-bedded impure limestone.

Topographically, and probably stratigraphically, above the ore bed, exposures of well-bedded to massive-bedded fossiliferous limestone occur. Fossils include horn corals, brachiopods, gastropods, crinoid stems and plates, and probable bryozoans. The assemblage suggests a Devonian or Mississippian age, and the lithology suggests probable correlation with the Madison Group.

Reviewed by
DMEA OPERATING COMMITTEE
9-3-54
(date)

The rocks appear to be moderately folded, and one probable fault was observed. The exposures in natural outcrops and trenches were inadequate to permit determination of the dip of the ore horizon or horizons. The limestone above the manganiferous bed along the side line between the Penny Lou No. 1 and No. 2 claims dips 20° northeast. The manganiferous zone exposed in the main pit and in several other pits appears to dip very gently southwest, but there are no outcrops of material with recognizable bedding. The manganiferous zone trends parallel to the ridge top running northwestward through the Success, Payday, Penny Lou No. 1 and Penny Lou No. 2 claims.

No ore reserves can be calculated for the property. The grade of material shipped by the applicant in 1953 can be presumed to represent about the maximum grade of manganese ore that will be discovered. A grab sample of run-of-mine manganiferous material was collected; it contained 20.51 percent manganese, 48.48 percent silica, 1.60 percent iron and 0.416 percent phosphorus. The size of individual ore bodies may be indicated by the body exposed in the main pit. This body has a strike length of 130 feet, a breadth of 20 to 30 feet and a thickness ranging from a few inches to over 6 feet. Not all of this material was of ore grade, and some selectivity would be required to sort ore and waste. The body was essentially flat. Associated with and spatially above each of the occurrences of manganiferous material is a dense, light yellowish-brown chalcedonic rock, and several occurrences of this material were seen that did not have manganiferous material exposed. The distribution of the manganiferous occurrences suggests that at least two separate horizons may be present.

The presence of small amounts of commercial-grade manganese ore is demonstrated by the 1953 shipments. The probability of developing large quantities of manganese ore is considered to be small, and the low grade of the material shipped suggests the operator would have difficulty in mining a marketable product. The nearness of the manganiferous material to the surface suggests that the operator should be encouraged to continue exploiting that part of the deposit that can be mined by open pitting.

Enclosure

Distribution:
DMEA (2)
USBM (2)
USGS (SRO)
Weeks
Docket

400

Docket

Rutledge
Martin

JUN - 4 1954

Mr. Will Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Reference is made to the subject docket and your letter of May 17, 1954, transmitting a blue print copy of a claim map showing the proposed exploration.

Additional prints of your map have been prepared here for our use and we are, therefore, returning your only copy as you requested. We thank you for the other information sent to us in your same letter.

Sincerely yours,

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

Enclosure

Copy to: DOCKET
FT, REG. II
CODE 400
ADMINISTRATIVE READ.FILE

FARutledge/WSMartin/ls
6/3/54

R.C.S.

400

Docket
Meeting
Deskuff
Selfridge
B Johnson
Weissenborn

JUN - 1 1954

Mr. A. E. Weissenborn, Executive Officer
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 3230-Manganese
Will Hendrix
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Weissenborn:

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

Enclosed are two copies of each of the following letters from the applicant:

(1) Letter dated January 22, 1954

(2) Letter dated April 24, 1954, transmitting two settlement sheets from Columbia-Geneva Steel.

(3) Letter dated May 17, 1954, with attached claim map showing workings.

In addition, two copies of a relevant memorandum by Louis Pavlides, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge by EST
Chairman, Operating Committee

Enclosures

APPROVED:

C. H. Johnson by EST
Member, Bureau of Mines

D. M. Barrabee by EST
Member, Geological Survey

cc: DOCKET
FT, REG. II
CODE 400
ADM. READ. FILE
OPER. COMM.
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

FARutledge/ls
5/24/54

P.C.4.

400

Docket
Martin
DeHuff
Selfridge

JUN - 1 1954

Mr. Will Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230-Manganese
Penny Lou No. 1 & Success claims
Meagher County, Montana

Dear Mr. Hendrix:

The above-docketed application for exploration assistance for manganese has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: Docket
Field Team, Reg. 2
Code 400
Adm. Read. File
Oper. Comm.
G. DeHuff, USBM
Martha Carr, USGS

FARutledge/ls
5/24/54

R.C.S.

Sumatra, Montana,
May 17, 1954.

MAY 21 1954

United States Department of The Interior,
Defense Minerals Exploration Administration,
Washington 25, D. C.

WSM

ATTN: W. S. MARTIN,
Chief Iron and Ferro-Alloys Division

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success
claims Meagher County, Montana.

Dear Mr. Martin:

I wish to thank you for your letter of April 28th, 1954, in connection with the above designated claim, and will attempt to answer the questions in your letter in the same order in which they appeared.

1. There was no deduction for the freight on Lot 1 Settlement Sheet No. I 3733 as the Columbia-Geneva Steel Company paid the freight.

2. In compiling the data submitted with my application for exploration assistance, I estimated that about 90 tons of Manganese had been shipped. However, I over-estimated the amount and only 49.191 dry long tons actually were shipped.

3-a. The vein to be explored varies from 10 ft. to 6 in. in width, approximately 1800 ft. in length and the grade of the vein shows same to be from 25% to 34%.

3-b. I am enclosing herewith a sketch map of deposits showing the exploration completed and location of proposed work. I do not have a copy of the map, so the enclosed is a new map.

Please advise if there is anything further you need in order to process this application.

Yours truly,

WILL HENDRIX,

Sumatra, Montana.

Will Hendrix

400

DOCKET
SURNAME

Rutledge
Martin
Hetzendorf

APR 28 1954

Mr. Will Hendrix
Sunshine, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Sunshine claims
Meagher County, Montana

Dear Mr. Hendrix:

This will acknowledge receipt of your letter of April 24, 1954, enclosing copies of two settlement sheets covering shipments of manganese to the Columbia-Geneva Steel Company, Geneva, Utah. Settlement No. 1, 3109 showed a deduction for freight of $371.79. There was no deduction given for the freight on Lot 1, Settlement sheet No. I 3733, and it would be appreciated if you would furnish us with this information.

The data submitted with your application for exploration assistance indicated that about 90 tons of manganese had been shipped. The two settlement sheets submitted cover 40.191 dry long tons. Other settlement sheets, if available, should also be submitted.

The claim map submitted with your application is not sufficient to answer Items 2 and 3 of our letter of January 21, 1954. It will therefore be appreciated if you will furnish the data requested:

a. Width, length, and grade of vein to be explored, so far as known.

b. Sketch map of deposits showing explorations completed and location of proposed work. Geology to be included if possible. This information may be indicated on a copy of the claim map already submitted.

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

Sincerely yours,

SIGNED
W. C. Martin, Chief
Iron and Ferro-Alloys Division

FARutledge:fcc 4-28-54
cc to: Docket
Code 400
KE.
Admr. Reading File

R.C.S.

Sumatra, Montana
April 24, 1954

WSM

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

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Sir:

Enclosed is information you requested regarding the above subject claim. Map has previously been forwaded to your office. Please let me know if you do not have it and I can forward another.

If there is any further informantion you need, please let me know.

Yours very truly,

William Hendrix

William Hendrix

Defense Minerals Administration
RECEIVED
APR 27 1954

Columbia-Geneva Steel

Manganese Ore Settlement

Hendrix Mine Penny Lou
Martinsdale, Montana

I 3109

Lessor: H. H. Ellerbeck

Lot #5

Pur. Order No. 26152 Geneva, Utah Aug. 11, 1953

Carno. MIIW 93116

Analysis:	Moisture	1.5	fe	1.7
	Insoluble		SiO_2	29.7
	Manganese	34.1	Phos	.41
	Sulphur	.028	As	.0005
	Zn.	.01		

Weights:	Gross	76,160
	Tare	46,860
	Net	29,300
	Moisture	440
	Dry Net (pounds)	28,860

14.43 Km

12.884 Dry Gr. Tons @ $34.10 Base Price per Gr. Ton $439.34

	$439.34
Less Fr. Bill	371.79
Pd. Aug. 21, 1953	$ 67.55

$4.68 per s.d.t.

Columbia-Geneva Steel

Manganese Ore Settlement

Hendrix Mine Penny Lou No. 1
Martinsdale, Montana

I 3733

Lot #1

Lessor: H. H. Ellerbeck

Pur. Order No. I 40034 Geneva, Utah Oct. 8, 1953

Car. No. DRGW 46002

Analysis:				
	Moisture	3.8	Fe	1.5
	Insoluble		SiO_2	37.4
	Manganese	27.7	Phos	.77
	Sulphur	.019	As	.009
	Zn.	.02		

Weights:			
	Gross	135,100	
	Tare	50,560	
	Net	84,540	42.27 Tons
	Moisture	3,212	
	Dry Net (pounds)	81,328	40.66 tons

36.307 Dr. Gr. Tons @ $27.70 Base Price Per Gr. Ton $1,005.70

Less: Utah Ore Sampling Company Charge 56.25

$ 949.45

$27.70 per long Ton = $24.70 s.d.t.

400

Rutledge
Martin
Mitchenson

APR 8 1954

Mr. William Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230 - Manganese
Penny Lou No. 1 and Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Reference is made to your application for exploration assistance under the subject docket. On January 21, 1954, we wrote to you requesting additional information needed to process the application.

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

Sincerely yours,

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

CC: DOCKET
CODE 400
FIELD TEAM, REG. II
ADM. READING FILE

FARutledge/ls 4/7/54

R.C.S.

400 C

Martin
Mattenoff

JAN 28 1954

Mr. William Hendrix

Sumatra, Montana

Re: Docket No. DMEA 3230-
Manganese
Penny Lou No. 1 and
Success claims
Meagher County, Montana

Dear Mr. Hendrix:

Your letter of January 22, 1954, to Mr. Robert E. Adams, apparently crossed in the mail with our letter to you of January 21, 1954, regarding the subject application.

Until we receive from you the information requested in our above-mentioned letter, we will be unable to answer your inquiry as to whether we will have an engineer in your area at some time during the coming spring.

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

Sincerely yours,

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

WSMartin/ls
1/27/54

cc: Docket
Code 400
FT, Reg. 2
Adm. Read. File
Gilbert DeHuff, USBM
Louis Pavlides, USGS

R.C.G.
1-28-54

C

DEPARTMENT
Defense Mine
RE
JAN 25 1954

Sumatra, Montana
January 22, 1954

WSM.
Crossed in mail
your ltr of 1/21
asking for specific
data.

Mr. Robert E. Adams, Chief
Operations Control and Statistics Division
Department of Interior
Washington 25, D. C.

Re: DMEA-3230 - Mn
Exploration Assistance

Dear Sir:

I am in receipt of your letter of January 8, by Adams 1954.

Our development work will be of taking off the overburden of several feet of gravel and then taking off the lime-silica capping. Work will be taking off the overburden and working in an open pit.

I would like to know if you will have an engineer in this area sometime this Spring. If not, I do not intend to bother with employing another engineer.

Yours very truly,

William Hendrix

William Hendrix

WH:jjr

Rutledge
Martin
DeHoff
Burton
Hoffmann
Mattendorf

JAN 21 1954

Mr. Will Hendrix
Sumatra, Montana

Re: Docket No. DMEA 3230 -
Manganese
Penny Lou No. 1 and
Success claims
Meagher County, Montana

Dear Mr. Hendrix:

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

The information submitted with your application, however, is insufficient to justify a field examination by the Government. No data were submitted to substantiate the occurrence of manganese on the referenced property. Before your application can be considered further, you should furnish us with the following data:

(1) Grade of ore mined, with copies of settlement sheets of ore shipped.

(2) Width, length, and grade of vein to be explored, so far as known.

(3) Sketch map of deposits showing exploration completed and location of proposed work. Geology to be included if possible.

Your attention is also called to Sec. 2(a) of the enclosed DMEA Order-1, as amended, as follows:

> "This work shall not go beyond a reasonable delineation and sampling of the ore, and shall not include work prosecuted primarily for mining or preparation for mining."

The foregoing limitation should be considered in formulating your exploration program.

R.C.S.
1-21-54

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

Sincerely yours,

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

cc: DOCKET
FIELD TEAM, REG. II
CODE 400
ADM. READ. FILE
GILBERT DE HUFF, USBM
LOUIS PAVLIDES, USGS

FARutledge/ls
1/19/54

Docket

IN REPLY REFER TO:

Defense Minerals Administration
RECEIVED
JAN 14 1954

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

January 13, 1954

Memorandum

To: Mr. W. S. Martin, DMEA

WSM

From: Louis Pavlides, USGS

Subject: DMEA-3230 (Manganese), William Hendrix, Sumatra; Meagher County, Montana.

There is no specific information in the U. S. Geological Survey's files on the subject properties described as the Penny Lou No. 1 Mining Claim in secs. 20 and 21, and the Success Mining Claim in secs. 21 and 28, all in T. 10 N., R. 10 E., of Meagher County, Montana. A field team examination might be necessary, therefore, if the applicant can document his application with more specific information indicating that these prospects contain material that will meet present purchase specifications. Specifically, the applicant should be requested to furnish:

1. A location map and a map or sketch of the deposits showing amount of exploration and development work completed thus far and the specific exploration work he proposes to do under a DMEA loan.

2. More detailed assay information, if available; in addition to the cited 25-34 percent manganese content for these "ores", i.e., percent of iron, silica plus alumina, phosphorous, and copper plus lead plus zinc. Also it would be interesting to know where the estimated 90 tons of ore were shipped to and if the shipment was acceptable to the consignee.

The applicant appears to have confused development work with exploration. His statements in item 4-c,

". . . with the overburden taken off, we should uncover quite a deposit," and in item 5-b,

"We propose to take off the overburden to get to the ore," indicate that he is interested in a stripping operation which, in my opinion, is development work and does not qualify for an exploration loan.

It is recommended that the applicant be requested to furnish the above-cited information and also to revise his application to include exploration and not development work, before this application be further processed.

Louis Pavlides

Louis Pavlides
Geologist

January 8, 1954
Subject: DMEA-3230
Re: Exploration Assistance

Mr. Will Hendrix
Sumatra
Montana

My dear Mr. Hendrix:

The receipt of your application dated Dec. 14, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3230 and referred to the Iron and Ferro Alloys Division.

Kindly refer to DMEA-3230 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

January 8, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region II

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 II.

DMEA -3230 - Will Hendrix

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

THE INTERIOR
Administration
ED
JAN - 8 1954

January 5, 1954

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

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for a DMEA contract submitted by Will Hendrix, Sumatra, Montana. The application proposes exploration on a manganese property. One copy of the application has been retained for the files of this office.

It is believed that the applicant's property is currently covered with snow and, therefore, no field examination will be scheduled unless requested by the Operating Committee. If such a request is made, it will probably not be possible to make the examination until late May or June.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

Enclosure

cc: USBM (2)

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved
Budget Bureau No. 42-R108.2

Defense Minerals Administration
RECEIVED
JAN 8 1954

DEC 16 1953

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

Not to be filled in by applicant

Docket No. 3230
Metal or Mineral Manganese
Date Received 1-8-54
Estimated Cost $7,840
Participation (Government %) 75%

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: Will Hendrix, Sumatra, Montana

(*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 Penny Lou No. 1 Mining Claim in Sections 20 and 21, and Success Mining Claim in Sections 21 and 28, all in Township 10 North, Range 10 East, Meagher County, Montana.

(*b*) State any mine name by which the property is known. Spring Creek Mining District

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

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

(*e*) If you own the land, describe any liens or encumbrances on it None.

(*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 Manganese

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

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

(*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.). None.

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

(*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?

[X] Money [X] 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 December 14, 1953

Will Hendrix
(Applicant)

By

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
[illegible] 8 1954

4. (a) We have run a cut of 25 feet by 70 feet, taking of the overburden with a caterpillar. We have made roads to the property.

(b) The grade of ore we have shipped has run from 25% to 34%. We have shipped two carloads. Would estimate about 90 tons.

(c) The overburden is anywhere from 20 feet to 30 feet deep. This deposit is a bedding and runs northwest and southeast and the croppings run very true and on each side of the vein. My reason for wishing to explore, according to outcripping and ore in sight, are that with the overburden taken off, we should uncover quite a deposit.

(d) This deposit is 22 miles from Martinsdale, which is the rail head on the Milwaukee Railroad. Roads have been built to the property.

(e) There is a power line within 1½ miles of the property and Spring Creek runs within 1 mile of the property.

5. (b) The exploration work will be done on the Success and Penny Lou No. 1 mining claims. We propose to take off the overburden to get to the ore. To date we have cut down about 25 feet on the side of the mountain and made an open cut where we took out the ore but we used a No. 6 Caterpillar, which was too small. We prefer getting a No. 8 which we can get for $16.00 an hour.

(d) The applicant has mined off and on since 1914 and shipped ores from mines to different smelters in Nevada and Utah. The applicant will supervise this project.

6. Estimate of costs:

2 Miners @ $12.50 per day for 40 days	$1,000.00
2 Laborers @ $9.00 per day for 40 days	720.00
Caterpillar @ $16.00 an hr., $128.00 per day, 40 days	5,120.00
Compressor @ $15.00 per day for 20 days	300.00
Supervision and use of pick-up truck	700.00
	$7,840.00

Applicant proposes to furnish his share of the costs in cash and use of his pick-up truck.

PENALTY FOR PRIVATE USE, TO AVOID
PAYMENT OF POSTAGE, $300
(PMG)

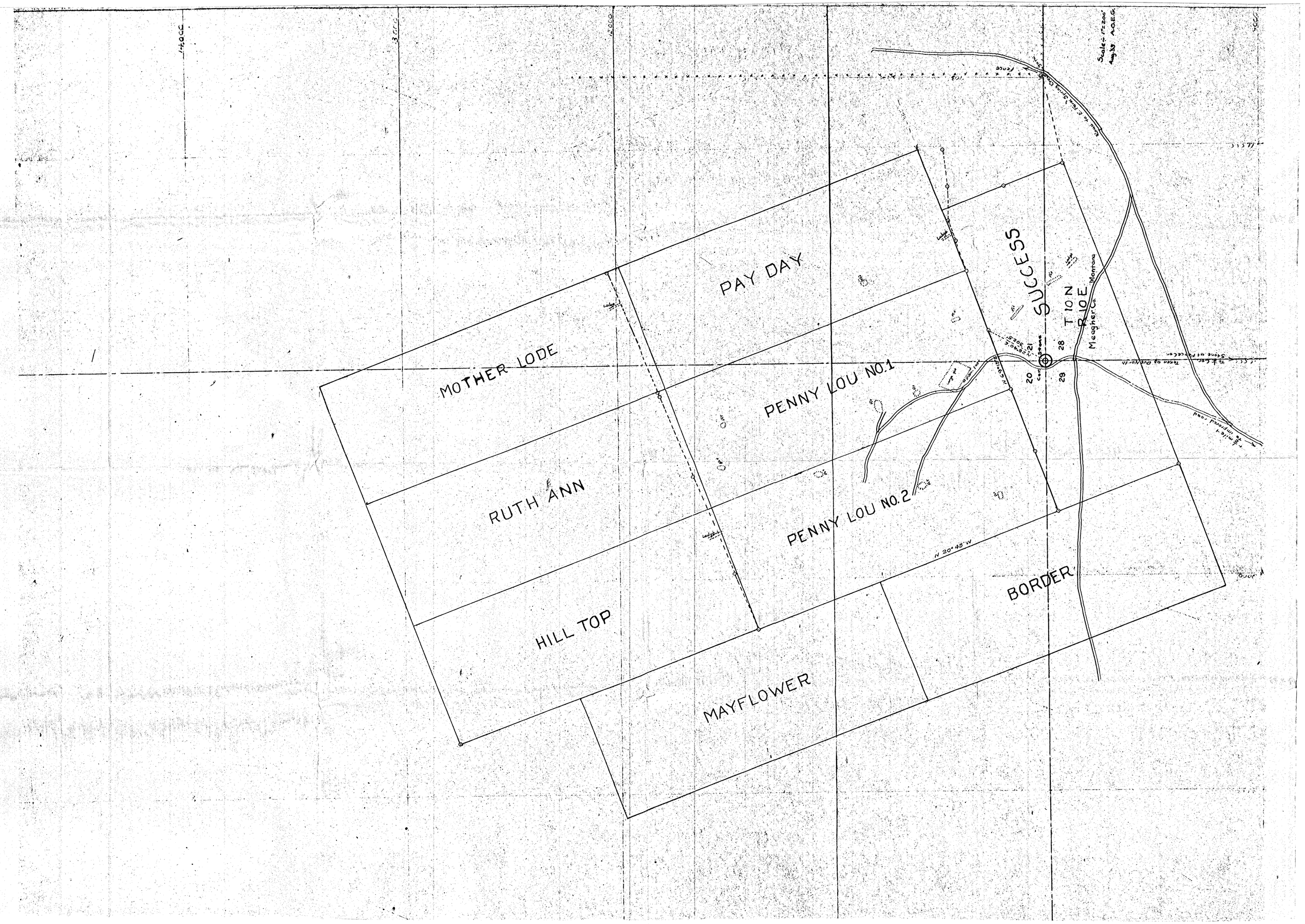
DMEA
3230

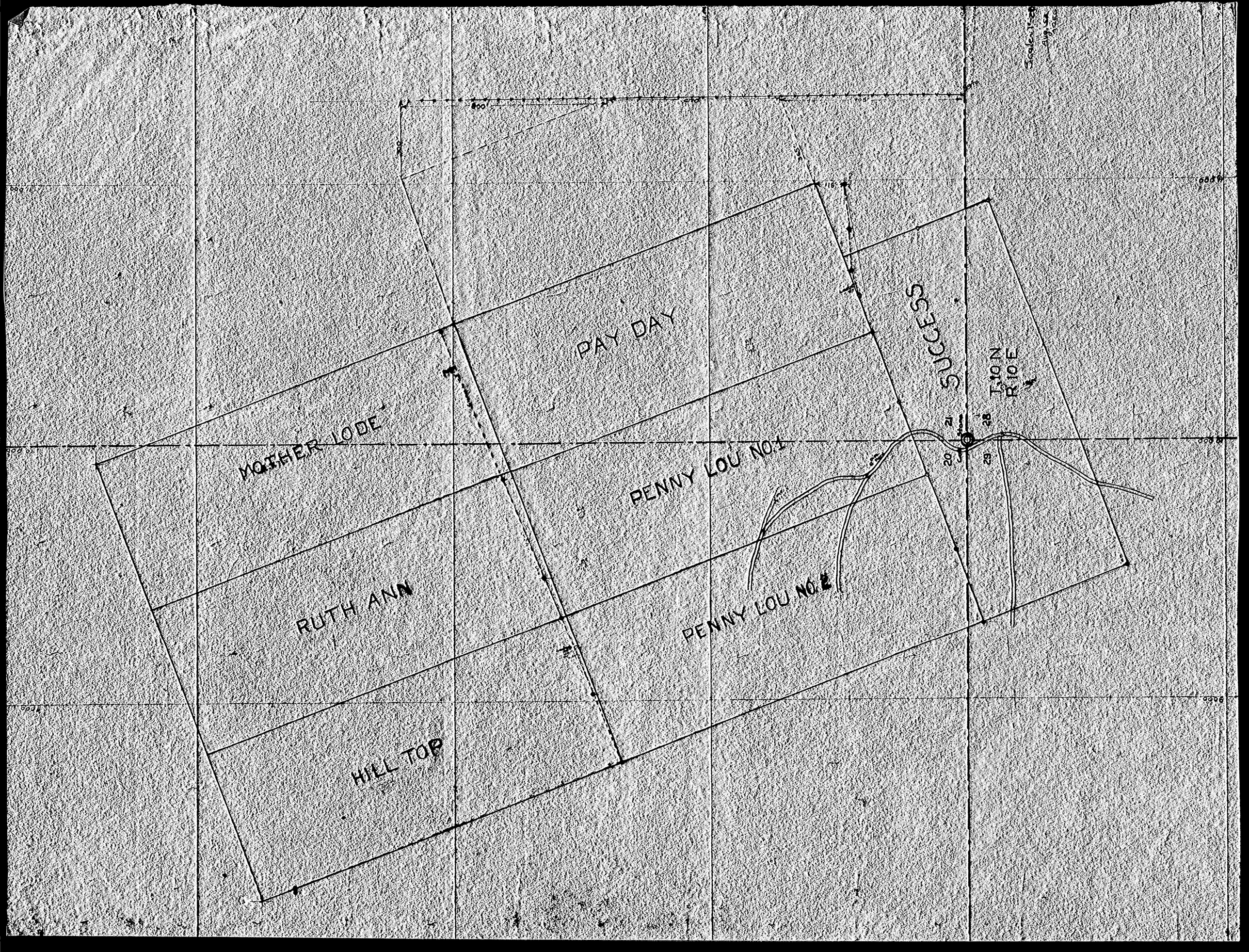
Mr. J. L. Chambers
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGIONAL OFFICE
REGION VII
NORRIS, TENNESSEE

OFFICIAL BUSINESS

DMEA 3230


Scale 1" = 200'
Aug 53 A.O.E.G.
MOTHER LODE
PAY DAY
PENNY LOU NO. 1
RUTH ANN
PENNY LOU NO. 2
HILL TOP
MAYFLOWER
BORDER
SUCCESS
T 10 N
R 10 E
Meagher Co.
Montana
N 30° 45' W
20
21
28
29
Taken as Quartz
Stone wall fence
Fence
Road to Elk Spring Creek
Road to improved road
1 mile


PAY DAY
SUCCESS
T.10 N
R.10 E
MOTHER LODE
PENNY LOU NO. 1
RUTH ANN
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