400

OCT 24 1955

Mr. Garvice C. Rollins
P. O. Box 527
Lovelock, Nevada

Re: Docket No. DMEA 3930 - Mercury
Vulture claims (Good Spot Mine)
Pershing County, Nevada

Dear Mr. Rollins:

Your application for aid for an exploration project and other data available to us in Washington relative to the above-mentioned 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 for the National Defense Program.

Careful study of our information indicates that although mercury mineralization occurs on the property, the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

Frank E. Johnson

Acting Administrator

Copy to: FT, Reg. 2
Docket
Code 400
Oper. Comm.
Adm. Read. File
T. Kiilsgaard, USGS
H. M. Meyer, USBM

ALMcMahon/ls
10/21/55

October 20, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $11,000
Docket No. DMEA 3936 - Mercury
Garvice C. Rollins
Vulture claims (Good Spot Mine)
Pershing County, Nevada

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

1. The applicant, Mr. Garvice C. Rollins, P. O. Box 527, Lovelock, Nevada, requested exploration assistance in the amount of $11,000 for crosscutting, drifting, and shaft-sinking to explore for mercury ore at the Vulture claims.

2. The property consists of seven lode claims held by locations by the applicant and situated in sec. 30, T. 27 N., R. 34 E., MDB&M, in the Antelope Springs district, about 16 miles east of Lovelock, south central Pershing County, Nevada. They are the Vulture, Vulture No. 2, Vulture No. 3, Vulture No. 4, Vulture No. 5, Vulture No. 6, and Vulture No. 7.

3. Cinnabar mineralization occurs sporadically in small lenses and veinlets along indefinite, irregular fault planes throughout a highly deformed limestone. The applicant's program proposed 50 feet of shaft-sinking and 300 feet of crosscutting and drifting along these structures in the belief that they would lead to a large ore body. According to the Field Team report, there is no geological justification for this belief and there is no suitable target for an exploration program.

4. Intermittent operation during World War II resulted in the recovery of 20 flasks of mercury and 10 flasks were reported produced in the ten months prior to September 1, 1955.

5. The applicant's mining experience is limited to working of the subject claims at intervals for approximately two years. Sufficient capital has been obtained through other jobs and sources to work the mine for a few months at a time.

6. The examining team recommended denial and the Field Team concurred in the recommendation.

7. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in recommending denial of the subject application.

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

cc: Docket
Adm. Read. File
Code 400
Oper. Comm.

ADMcMahon/ls
10/20/55

400

RECEIVED
OCT 21 1955

October 20, 1955

Memorandum

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

From: J. W. Pennington, Branch of Base Metals

Subject: Review of Field Team Examination Report, Docket No. DMEA 3:36 (mercury), $11,000, Garvice C. Rollins, Vulture Claims, Pershing County, Nevada

The conclusions of the examiners that the applicant's program is indefinite and not supported by sufficient geological evidence are sound.

I agree with the Field Team's recommendations that the application should be denied.

J. W. Pennington

J. W. Pennington

JWPennington/vr

Copy to: Division of Minerals
Branch of Base Metals
J. W. Pennington
Thor Kiilsgaard, U.S.G.S.
F i l e s

IN REPLY REFER TO:

400

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

RECEIVED
OCT 13 1955

October 13, 1955

Re: DMEA 393
Garvice C. Rollins
Vulture Claims
(Good Spot Mine)
Pershing Co., Nev.
$11,000 - Mercury

Memorandum

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

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

Subject: Review of Field Team report.

The applicant asked aid in exploring a cinnabar vein from which small amounts of mercury have been recovered. The applicant is new at mining and poorly equipped to undertake a contract.

The cinnabar occurs in small lenses and veinlets in a fault zone. Little cinnabar has been recovered and little is in sight, though 5,000 pounds of mercury may be inferred, probably in medium-grade rock since that mined contained about 7 pounds per ton.

The examiners conclude that the objective of the exploratory work proposed by the applicant is too indefinite to constitute a target.

I agree with that conclusion and concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/13/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
H. M. Meyer, 3623

400

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 3936, Mercury
Garvice C. Rollins
Vulture Claims
Pershing County, Nevada

Dear Mr. Ricker:

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 August 8, 1955, by N. E. Nelson, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

cc: Docket
Code 400
Adm. Read. File
Oper. Committee
T. Kiilsgaard, USGS
H. M. Meyer, USBM
FT, Reg. 2

TLChapman/ls
8/11/55

400

AUG 17 1955

Mr. Garvice C. Rollins
P. O. Box 527
Lovelock, Nevada

Re: Docket No. DMEA 3936, Mercury
Vulture Claims
Pershing County, Nevada

Dear Mr. Rollins:

The above-docketed application for exploration assistance for mercury ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Risker, Executive Officer, DMEA Field Team, Region II, 1005 Evans Avenue, Reno, Nevada, for a field examination of the property.

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

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
FT, Reg. 2
Code 400
Oper. Comm.
Adm. Read. File
T. Kiilsgaard, USGS
H. M. Meyer, USBM

TLChapman/ls
8/11/55

400

Copy retained 400

3936

August 15, 1955

Memorandum

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

From: James W. Pennington, Branch of Base Metals

Subject: Review of DMEA application, Docket No. 3936, (Mercury), Vulture Claims, Good Spot Mine, G. C. Rollins, Lovelock, Nevada

This application appears indefinite in that the applicant "wishes" to locate either a pipe or long kidney to develop for production. However, no evidence is offered that such formations may exist.

Also indefinite is the necessity of shaft sinking in the exploration. In addition, the proposed costs of shaft sinking seem low.

The mine is producing as Bureau of Mines' records show that the owner has shipped 10 flasks of mercury this year.

It is recommended that a Field Team examination be made of the property to determine if the proposed exploration is justified.

Signed

James W. Pennington

Copy to: Division of Minerals
Branch of Base Metals
H. M. Meyer
F i l e s
Thor H. Kiilsgaard, Room 5222

RECEIVED
AUG 16 1955

IN REPLY REFER TO:

400

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

RECEIVED
AUG - 9 1955

August 8, 1955

Re: DMEA 3936
Garvis C. Rollins
Good Spot Mine
Pershing Co., Nev.
$11,000 - Mercury

Copy retained 400

Memorandum

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

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

Subject: Review of Application.

I have no information on the Good Spot mine. No map accompanies the application and it is not possible to relate it to any of the several mercury prospects, possibly in the same locality, on which I have information.

Unless the early day production, if any, was of large proportions, the work done to date has not been profitable. The quantity of mercury produced in the last four months, about 10 flasks, if related to a stated amount of openings, should afford a good sample.

The applicant is somewhat of a novice and the program outlined may not be justified even though some work is warranted.

A referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/8/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
H. M. Meyer, 2623

400

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

RECEIVED
OCT 10 1955

1605 Evans Avenue
Reno, Nevada

October 5, 1955

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3936 - Mercury
Garvice C. Rollins
Vulture Claims
Pershing County, Nevada

In accordance with your letter of August 17, 1955, we are attaching four copies of a field examination report on above subject property by Robert G. Reeves, Geological Survey and Henry W. Jones, Bureau of Mines in which denial of application for DMEA exploration aid is recommended.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

10-14-55

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

RECEIVED
OCT 20 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-3936 (Mercury) Vulture Claims
Pershing County, Nevada
Garvice C. Rollins

By

Henry W. Jones
Mining Engineer
U. S. Bureau of Mines

Robert G. Reeves
Geologist
U. S. Geological Survey

October 5, 1955

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Conclusions and Recommendations	1
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History and Production	3
Property and Ownership	3
Development	4
Geology	4
Ore Deposits	5
Ore Reserves	5
Proposed Exploration	6

ILLUSTRATIONS

Fig. 1. - Location map, Vulture Claims, Pershing County, Nevada

Fig. 2. - Plan map of the Vulture Claims, Pershing County, Nevada

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OCT 10 1955

INTRODUCTION

Mr. Garvice C. Rollins, P. O. Box 527, Lovelock, Nevada, applied for Governmental assistance in a $11,000.00 drifting and crosscutting program under the Defense Minerals Exploration Administration, docket number DMEA-3936, to explore for mercury ore at the Vulture claims, also known as the Goodspot prospect, Pershing County, Nevada.

A field examination was requested by the Operating Committee and was made by Henry W. Jones, U. S. Bureau of Mines and R. G. Reeves, U. S. Geological Survey on September 13, 1955, accompanied by the applicant.

CONCLUSIONS AND RECOMMENDATIONS

The cinnabar mineralization occurs sporadically in small lenses and veinlets along indefinite, irregular fault planes throughout a highly deformed limestone.

The applicant proposed an exploration program along these fault planes to follow various leads in the belief that the mineralization would lead to a large ore body.

In view of the geological improbability of discovering any other than occasional discontinuous ore bodies with small value, it is recommended that the loan application be denied.

LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The Vulture claim (Goodspot prospect) is in sec. 30, T. 27 N., R. 34 E., MDB&M, in the Antelope Springs district, about 16 miles east of Lovelock, south central Pershing County, Nevada. The prospect is on the lower, western part of the Buffalo Mountain foothills, just above the valley floor and about a mile northwest of the Juniper Quicksilver mine.

It is reached by traveling northeasterly from Lovelock along U. S. Highway 40 for 5.8 miles; thence southeast through the iron ore loading ramps and follow graveled county road 11.0 miles. Turn left at the first road, 0.5 mile past the windmill, then 0.9 mile southeast up the ridge to the mine. Except for infrequent periods when winter storms temporarily block the roads, the property is accessible at all times of the year.

Mining personnel can generally be obtained at Lovelock, or surrounding area. Housing for personnel, supplies and material are also obtainable at Lovelock. A railroad siding is available at the iron loading ramps, 12 miles from the claim. Water for mine usage is obtained at the windmill and water tank, 1.4 miles by road from the property or in Lovelock.

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HISTORY AND PRODUCTION

The presence of cinnabar on the property has been known for many years but little development work was done until 1941, when Albert Smith restaked the abandoned claims and did some exploratory work. The claims were leased in 1942 but no additional work was done. Late in 1942, the Harold's Club Mining Co. acquired the property and leased it to Homer Barnes and M. E. Fayhe.

A production of 20 flasks of quicksilver is reported during the World War II period by means of treating selected ore in a 2-pipe retort. Assessment work lapsed after the war and the property was open until 1951 when it was restaked by W. Fisk of Lovelock. G. C. Rollins, the applicant, obtained control of the claim group in October 1953 and has been working it part time since. The applicant stated that about 10 flasks of quicksilver was recovered in the ten months prior to September 1, 1955. During the past four months, 3.78 flasks were produced.

PROPERTY AND OWNERSHIP

The applicant has been working the mine without adequate finances for the past year. Sufficient capital is obtained through other jobs and sources to work the mine for a few months at a time. It is doubtful if the applicant could obtain the necessary finances to carry on the operations until Governmental payments were available,

if a loan was granted. His mining experience is inadequate and consists of about one year working the subject claims.

The property consists of seven lode claims held by location by the applicant and recorded in the Pershing County courthouse at Lovelock, Nevada. They are the Vulture, Vulture No. 2, Vulture No. 3, Vulture No. 4, Vulture No. 5, Vulture No. 6 and Vulture No. 7. The workings are situated near the center of the Vulture No. 1 claim.

DEVELOPMENT

Development consists of a few shallow pits, erratically spaced bulldozer cuts, and the main workings which include a 20 foot, 25 degree inclined shaft with three drifts branching from the bottom. A winding northwest drift which is approximately 80 feet long was driven on a -10° incline for about 40 feet then steepened to about -20° for the remainder of the length. A short drift was driven to the east from near the bottom, following a fault and cinnabar lead. The others are short and inconsequential.

GEOLOGY

The mine in an area of low relief is underlain by

limestone of Upper Triassic age [1]. The limestone has been folded and faulted, and extensively recrystallized. A northwest-trending fault zone cuts the limestone at the mine.

ORE DEPOSITS

Cinnabar crystals occur in small lenses and veinlets in the northwest-trending fault zone; within this zone the limestone is highly deformed and cut by numerous small faults with strikes and dips of all directions. The lenses and veinlets of cinnabar that had been mined were likewise of very diverse attitudes, according to the applicant. At the time of the examination, only two small spots of ore, each less than a square foot in area, were in sight in the mine. Sampling would have given no pertinent information.

ORE RESERVES

An estimated 30 to 50 tons of ore and waste were mined and upgraded by hand sorting to about 2100 pounds of high-grade ore which yielded 288 pounds of mercury. As only a small part of the mineralized zone has been exploited, 20 tons of high grade sorted ore containing 300 pounds of mercury per ton may be inferred.

1/ Bailey, E. H., and Phoenix, D. A., 1944, Quicksilver Deposits of Nevada: Univ. of Nevada Bull., vol. 38, No. 5, Geol. and Mining Series No. 41.

PROPOSED EXPLORATION

The applicant proposed to further explore the property by 300 feet of drifting and crosscutting and about 50 feet of shaft sinking along the two fault structures. These structures are at right angles to each other and separated by about 60 feet. The applicant believes that one of these would turn to parallel the other and the two would lead to a common point where a body of ore would be found. There is no geological reason for this belief and there is no suitable target for an exploration program. For this reason, it is recommended that the application be denied.

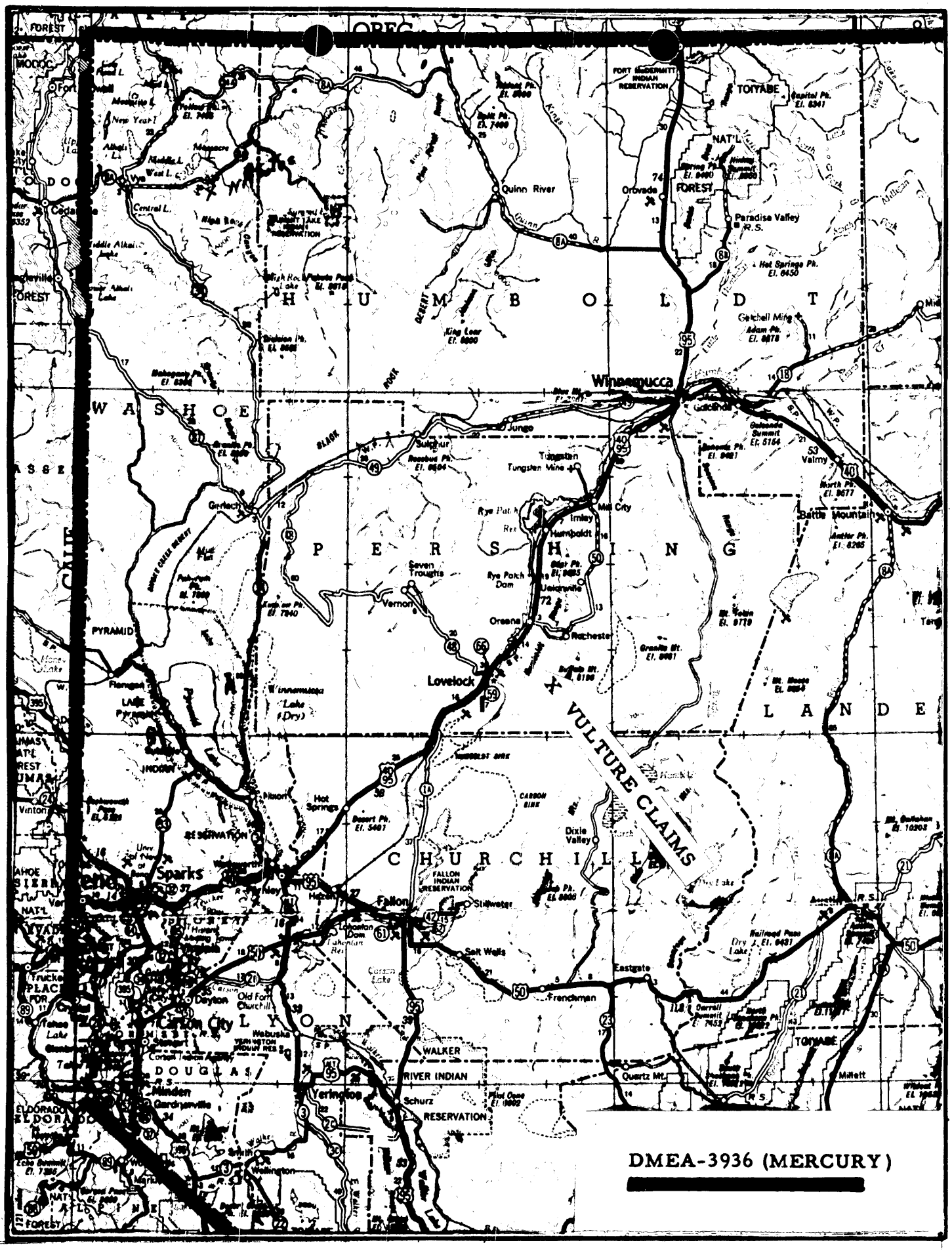

FIG. 1. LOCATION MAP NEVADA

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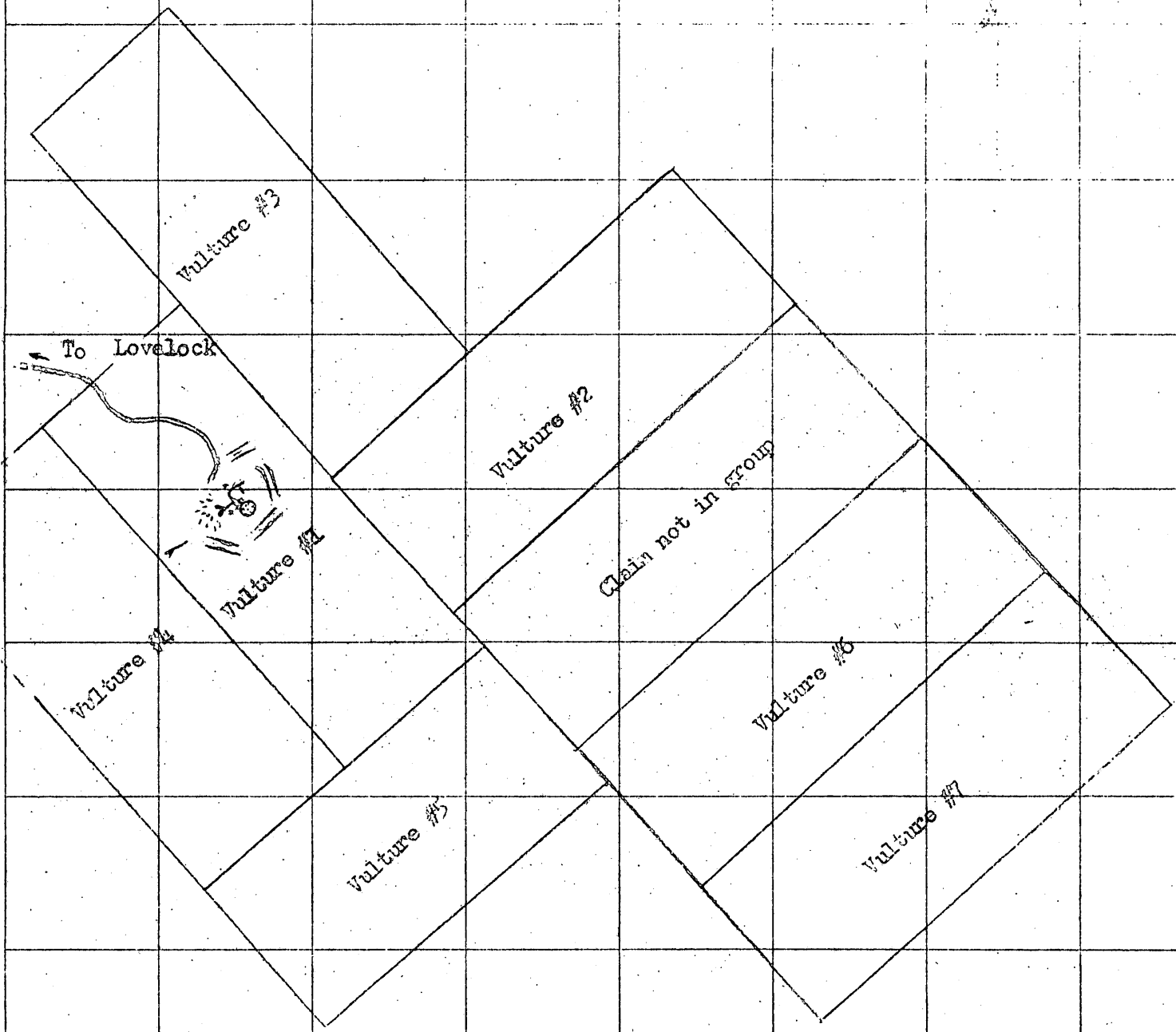

Fig. 2
DMEA - 3936
ENCLOSURE
PLAN MAP OF THE VULTURE CLAIMS
PERSHING COUNTY
NEVADA

Scale: 1" = 50'

"ALBANENE" No. 1-GM K&E CO., N.Y.
REG. U.S. PAT. OFF

RECEIVED
OCT 1 0 1955

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DOCKET
Surname:
McMahon
Martin
Meyer-A
Bishop
Killgaard
Selfridge
Johnson

OCT 24 1955

Mr. Garvice C. Rollins
P. O. Box 527
Lovelock, Nevada

Re: Docket No. DMEA 3936 - Mercury
Vulture claims (Good Spot Mine)
Pershing County, Nevada

Dear Mr. Rollins:

Your application for aid for an exploration project and other data available to us in Washington relative to the above-mentioned 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 for the National Defense Program.

Careful study of our information indicates that although mercury mineralization occurs on the property, the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

Frank E. Johnson

Acting Administrator

Copy to: FT, Reg. 2
Docket
Code 400
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Adm. Read. File
T. Kiilsgaard, USGS
H. M. Meyer, USBM

ALMcMahon/ls
10/21/55

Docket

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

RECEIVED
OCT 21 1955

October 20, 1955

Memorandum

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

WSM

From: J. W. Pennington, Branch of Base Metals

Subject: Review of Field Team Examination Report, Docket No. DMEA 3936 (mercury), $11,000, Garvice C. Rollins, Vulture Claims, Pershing County, Nevada

The conclusions of the examiners that the applicant's program is indefinite and not supported by sufficient geological evidence are sound.

I agree with the Field Team's recommendations that the application should be denied.

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals
J. W. Pennington
Thor Kiilsgaard, U.S.G.S.
F i l e s

Copy retained 400

Received 10/21/55

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OCT 21 1955

October 20, 1955

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Subject: Review of Field Team Examination Report, Docket No. DMEA 3936 (mercury), $11,000, Garvice C. Rollins, Vulture Claims, Pershing County, Nevada

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I agree with the Field Team's recommendations that the application should be denied.

J. W. Pennington

J. W. Pennington

JWPennington/vr

Copy to: Division of Minerals
Branch of Base Metals
J. W. Pennington
Thor Kiilsgaard, U.S.G.S.
F i l e s

SMITHSONIAN
INSTITUTION

RECEIVED
OCT 21 1955

October 20, 1955

Memorandum

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

From: J. W. Pennington, Branch of Base Metals

Subject: Review of Field Team Examination Report, Docket No. DMEA 3036 (mercury), $11,000, Garvice C. Rollins, Vulture Claims, Pershing County, Nevada

The conclusions of the examiners that the applicant's program is indefinite and not supported by sufficient geological evidence are sound.

I agree with the Field Team's recommendations that the application should be denied.

J. W. Pennington

J. W. Pennington

JWPennington/vr

Copy to: Division of Minerals
Branch of Base Metals
J. W. Pennington
Thor Kiilsgaard, U.S.G.S.
F i l e s

RECEIVED
OCT 3 1985

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

October 20, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $11,000
Docket No. DMEA 3936 - Mercury
Garvice C. Rollins
Vulture claims (Good Spot Mine)
Pershing County, Nevada

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

1. The applicant, Mr. Garvice C. Rollins, P. O. Box 527, Lovelock, Nevada, requested exploration assistance in the amount of $11,000 for crosscutting, drifting, and shaft-sinking to explore for mercury ore at the Vulture claims.

2. The property consists of seven lode claims held by locations by the applicant and situated in sec. 30, T. 27 N., R. 34 E., MDB&M, in the Antelope Springs district, about 16 miles east of Lovelock, south central Pershing County, Nevada. They are the Vulture, Vulture No. 2, Vulture No. 3, Vulture No. 4, Vulture No. 5, Vulture No. 6, and Vulture No. 7.

3. Cinnabar mineralization occurs sporadically in small lenses and veinlets along indefinite, irregular fault planes throughout a highly deformed limestone. The applicant's program proposed 50 feet of shaft-sinking and 300 feet of crosscutting and drifting along these structures in the belief that they would lead to a large ore body. According to the Field Team report, there is no geological justification for this belief and there is no suitable target for an exploration program.

4. Intermittent operation during World War II resulted in the recovery of 20 flasks of mercury and 10 flasks were reported produced in the ten months prior to September 1, 1955.

5. The applicant's mining experience is limited to working of the subject claims at intervals for approximately two years. Sufficient capital has been obtained through other jobs and sources to work the mine for a few months at a time.

6. The examining team recommended denial and the Field Team concurred in the recommendation.

7. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in recommending denial of the subject application.

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

DOCKET
Surname:
McMahon
Martin
Meyer - P
Ostrof

October 20, 1955

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of request for exploration assistance in the amount of $11,000
Docket No. DMEA 3936 - Mercury
Garvice C. Rollins
Vulture claims (Good Spot Mine)
Pershing County, Nevada

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6. The examining team recommended denial and the Field Team concurred in the recommendation.

7. The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in recommending denial of the subject application.

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

cc: Docket
Adm. Read. File
Code 400
Oper. Comm.

ADMcMahon/ls
10/20/55

IN REPLY REFER TO:

Docket

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

October 13, 1955

RECEIVED
OCT 13 1955

Re: DMEA 3936
Garvice C. Rollins
Vulture Claims
(Good Spot Mine)
Pershing Co., Nev.
$11,000 - Mercury

WSM

Memorandum

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

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

Subject: Review of Field Team report.

The applicant asked aid in exploring a cinnabar vein from which small amounts of mercury have been recovered. The applicant is new at mining and poorly equipped to undertake a contract.

The cinnabar occurs in small lenses and veinlets in a fault zone. Little cinnabar has been recovered and little is in sight, though 6,000 pounds of mercury may be inferred, probably in medium-grade rock since that mined contained about 7 pounds per ton.

The examiners conclude that the objective of the exploratory work proposed by the applicant is too indefinite to constitute a target.

I agree with that conclusion and concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

...y retained 400

IN REPLY REFER TO:

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

RECEIVED
OCT 13 1955

October 13, 1955

Re: DMEA 3936
Garvice C. Rollins
Vulture Claims
(Good Spot Mine)
Pershing Co., Nev.
$11,000 - Mercury

Memorandum

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

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

Subject: Review of Field Team report.

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I agree with that conclusion and concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/13/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
H. M. Meyer, 3623

IN REPLY REFER TO:

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

RECEIVED
OCT 13 1955

October 13, 1955

Re: DMEA 3936
Garvice C. Rollins
Vulture Claims
(Good Spot Mine)
Pershing Co., Nev.
$11,000 - Mercury

Memorandum

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

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

Subject: Review of Field Team report.

The applicant asked aid in exploring a cinnabar vein from which small amounts of mercury have been recovered. The applicant is new at mining and poorly equipped to undertake a contract.

The cinnabar occurs in small lenses and veinlets in a fault zone. Little cinnabar has been recovered and little is in sight, though 6,000 pounds of mercury may be inferred, probably in medium-grade rock since that mined contained about 7 pounds per ton.

The examiners conclude that the objective of the exploratory work proposed by the applicant is too indefinite to constitute a target.

I agree with that conclusion and concur with the recommendation of the Field Team that the application be denied.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/13/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
K. M. Meyer, 3623

DMEA
docket

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

RECEIVED
OCT 10 1955

1605 Evans Avenue
Reno, Nevada

October 5, 1955

WSY

Memorandum

To: Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-3936 - Mercury
Garvice C. Rollins
Vulture Claims
Pershing County, Nevada

In accordance with your letter of August 17, 1955, we are attaching four copies of a field examination report on above subject property by Robert G. Reeves, Geological Survey and Henry W. Jones, Bureau of Mines in which denial of application for DMEA exploration aid is recommended.

Roscoe Smith and I concur in the recommendation.

S. Ricker

Attach.

10-14-55

DIRECTOR OF MINES
WASHINGTON, D.C.
OCT 10 10 07 AM '55

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OCT 10 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-3936 (Mercury) Vulture Claims
Pershing County, Nevada
Garvice C. Rollins

By

Henry W. Jones
Mining Engineer
U. S. Bureau of Mines

Robert G. Reeves
Geologist
U. S. Geological Survey

October 5, 1955

10-14-55

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OCT 10 1955

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ILLUSTRATIONS

Fig. 1.- Location map, Vulture Claims, Pershing County, Nevada

Fig. 2.- Plan map of the Vulture Claims, Pershing County, Nevada

INTRODUCTION

Mr. Garvice C. Rollins, P. O. Box 527, Lovelock, Nevada, applied for Governmental assistance in a $11,000.00 drifting and crosscutting program under the Defense Minerals Exploration Administration, docket number DMEA-3936, to explore for mercury ore at the Vulture claims, also known as the Goodspot prospect, Pershing County, Nevada.

A field examination was requested by the Operating Committee and was made by Henry W. Jones, U. S. Bureau of Mines and R. G. Reeves, U. S. Geological Survey on September 13, 1955, accompanied by the applicant.

CONCLUSIONS AND RECOMMENDATIONS

The cinnabar mineralization occurs sporadically in small lenses and veinlets along indefinite, irregular fault planes throughout a highly deformed limestone.

The applicant proposed an exploration program along these fault planes to follow various leads in the belief that the mineralization would lead to a large ore body.

In view of the geological improbability of discovering any other than occasional discontinuous ore bodies with small value, it is recommended that the loan application be denied.

LOCATION, ACCESSIBILITY, LOCAL RESOURCES

The Vulture claim (Goodspot prospect) is in sec. 30, T. 27 N., R. 34 E., MDB&M, in the Antelope Springs district, about 16 miles east of Lovelock, south central Pershing County, Nevada. The prospect is on the lower, western part of the Buffalo Mountain foothills, just above the valley floor and about a mile northwest of the Juniper Quicksilver mine.

It is reached by traveling northeasterly from Lovelock along U.S. Highway 40 for 5.8 miles; thence southeast through the iron ore loading ramps and follow graveled county road 11.0 miles. Turn left at the first road, 0.5 mile past the windmill, then 0.9 mile southeast up the ridge to the mine. Except for infrequent periods when winter storms temporarily block the roads, the property is accessible at all times of the year.

Mining personnel can generally be obtained at Lovelock, or surrounding area. Housing for personnel, supplies and material are also obtainable at Lovelock. A railroad siding is available at the iron loading ramps, 12 miles from the claim. Water for mine usage is obtained at the windmill and water tank, 1.4 miles by road from the property or in Lovelock.

HISTORY AND PRODUCTION

The presence of cinnabar on the property has been known for many years but little development work was done until 1941, when Albert Smith restaked the abandoned claims and did some exploratory work. The claims were leased in 1942 but no additional work was done. Late in 1942, the Harold's Club Mining Co. acquired the property and leased it to Homer Barnes and M. E. Fayhe.

A production of 20 flasks of quicksilver is reported during the World War II period by means of treating selected ore in a 2-pipe retort. Assessment work lapsed after the war and the property was open until 1951 when it was restaked by W. Fisk of Lovelock. G. C. Rollins, the applicant, obtained control of the claim group in October 1953 and has been working it part time since. The applicant stated that about 10 flasks of quicksilver was recovered in the ten months prior to September 1, 1955. During the past four months, 3.78 flasks were produced.

PROPERTY AND OWNERSHIP

The applicant has been working the mine without adequate finances for the past year. Sufficient capital is obtained through other jobs and sources to work the mine for a few months at a time. It is doubtful if the applicant could obtain the necessary finances to carry on the operations until Governmental payments were available,

if a loan was granted. His mining experience is inadequate and consists of about one year working the subject claims.

The property consists of seven lode claims held by location by the applicant and recorded in the Pershing County courthouse at Lovelock, Nevada. They are the Vulture, Vulture No. 2, Vulture No. 3, Vulture No. 4, Vulture No. 5, Vulture No. 6 and Vulture No. 7. The workings are situated near the center of the Vulture No. 1 claim.

DEVELOPMENT

Development consists of a few shallow pits, erratically spaced bulldozer cuts, and the main workings which include a 20 foot, 25 degree inclined shaft with three drifts branching from the bottom. A winding northwest drift which is approximately 80 feet long was driven on a -10° incline for about 40 feet then steepened to about -20° for the remainder of the length. A short drift was driven to the east from near the bottom, following a fault and cinnabar lead. The others are short and inconsequential.

GEOLOGY

The mine in an area of low relief is underlain by

limestone of Upper Triassic age [1]. The limestone has been folded and faulted, and extensively recrystallized. A northwest-trending fault zone cuts the limestone at the mine.

ORE DEPOSITS

Cinnabar crystals occur in small lenses and veinlets in the northwest-trending fault zone; within this zone the limestone is highly deformed and cut by numerous small faults with strikes and dips of all directions. The lenses and veinlets of cinnabar that had been mined were likewise of very diverse attitudes, according to the applicant. At the time of the examination, only two small spots of ore, each less than a square foot in area, were in sight in the mine. Sampling would have given no pertinent information.

ORE RESERVES

An estimated 30 to 50 tons of ore and waste were mined and upgraded by hand sorting to about 2100 pounds of high-grade ore which yielded 288 pounds of mercury. As only a small part of the mineralized zone has been exploited, 20 tons of high grade sorted ore containing 300 pounds of mercury per ton may be inferred.

1/ Bailey, E. H., and Phoenix, D.A., 1944, Quicksilver Deposits of Nevada: Univ. of Nevada Bull., vol. 38, No. 5, Geol. and Mining Series No. 41.

PROPOSED EXPLORATION

The applicant proposed to further explore the property by 300 feet of drifting and crosscutting and about 50 feet of shaft sinking along the two fault structures. These structures are at right angles to each other and separated by about 60 feet. The applicant believes that one of these would turn to parallel the other and the two would lead to a common point where a body of ore would be found. There is no geological reason for this belief and there is no suitable target for an exploration program. For this reason, it is recommended that the application be denied.

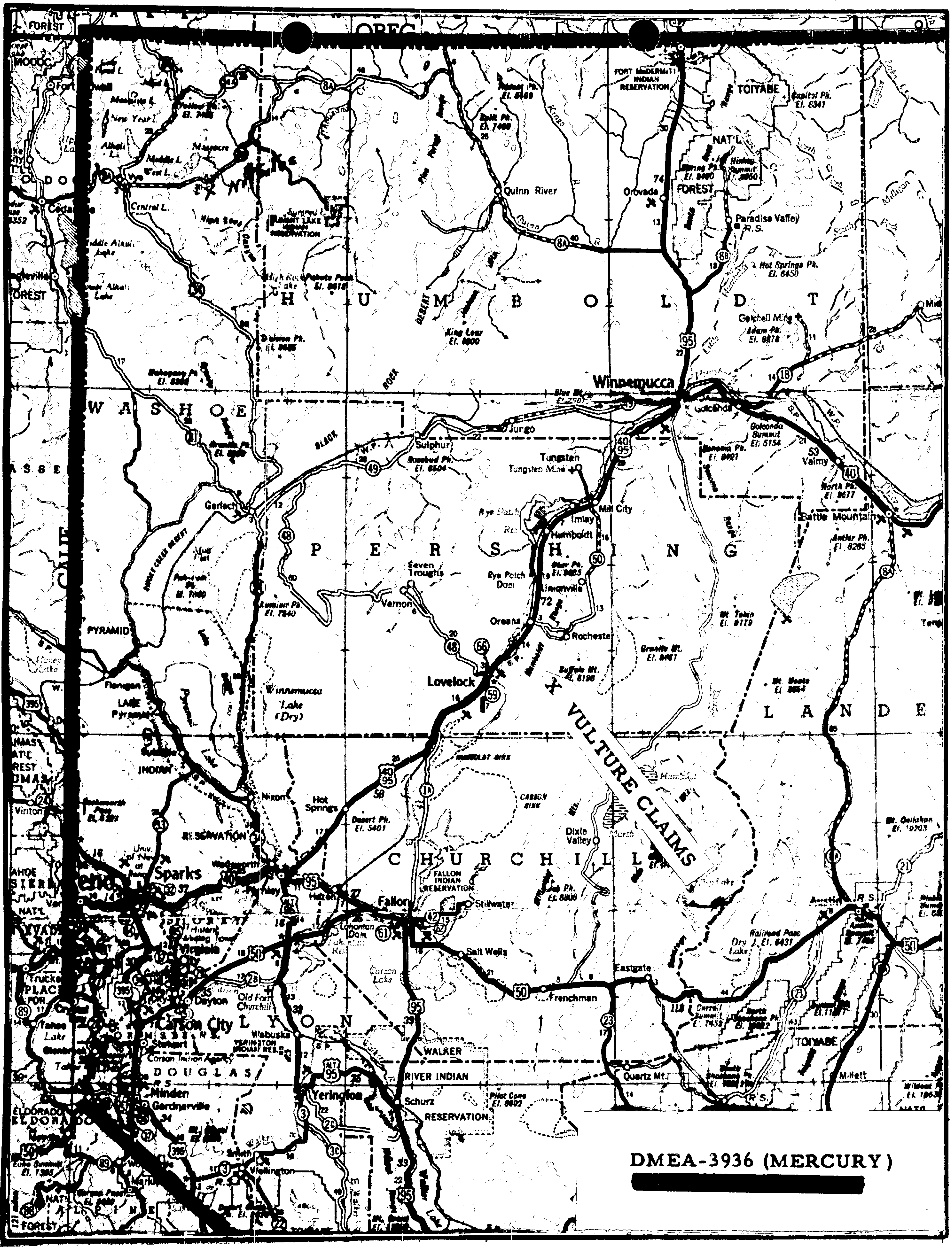

FIG. 1. LOCATION MAP NEVADA

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OCT 10 1955

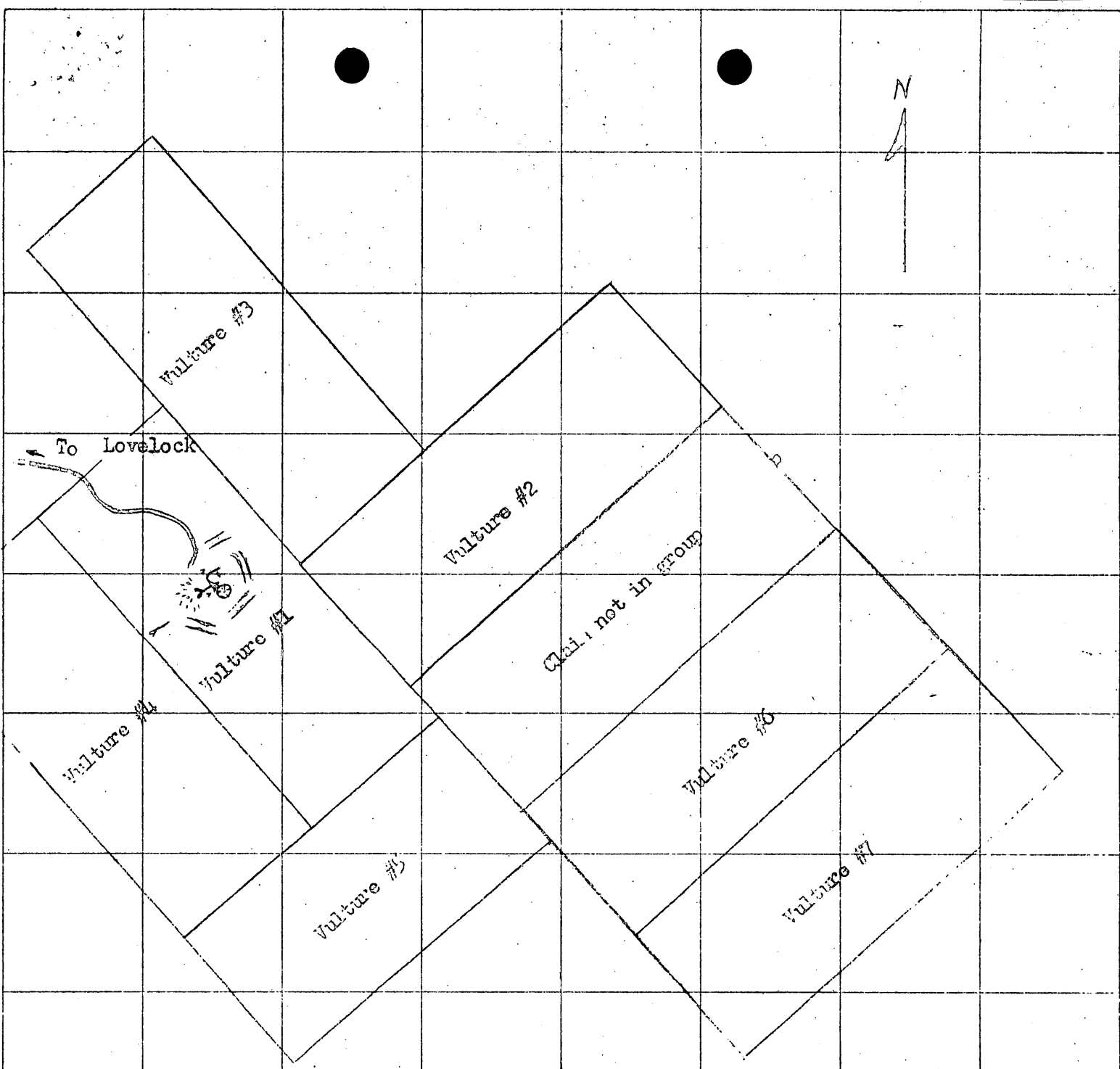

Fig. 2
DMEA - 3936
EXCUSE
PLAN MAP OF THE VULTURE CLAIMS
PERSHING COUNTY
NEVADA

Scale: 1" = 50'

"ALBANENE" No. 150M K&E CO., N.Y.
REG. U.S. PAT. OFF.

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Docket

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

Copy retained 400

August 15, 1955

Memorandum

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

From: James W. Pennington, Branch of Base Metals

Subject: Review of DMEA application, Docket No. 3936, (Mercury), Vulture Claims, Good Spot Mine, G. C. Rollins, Lovelock, Nevada

This application appears indefinite in that the applicant "wishes" to locate either a pipe or long kidney to develop for production. However, no evidence is offered that such formations may exist.

Also indefinite is the necessity of shaft sinking in the exploration. In addition, the proposed costs of shaft sinking seem low.

The mine is producing as Bureau of Mines' records show that the owner has shipped 10 flasks of mercury this year.

It is recommended that a Field Team examination be made of the property to determine if the proposed exploration is justified.

James W. Pennington

James W. Pennington

Copy to: Division of Minerals
Branch of Base Metals
H. M. Meyer
F i l e s
Thor H. Kiilsgaard, Room 5222

Case sent to F.T. to inform on 8/11/55

RECEIVED
AUG 16 1955

DOCKET
Surname:
Chapman
Martin
Meyer
Selfridge

400

AUG 17 1955

Mr. Spangler Ricker, Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 3936, Mercury
Garvice C. Rollins
Vulture Claims
Pershing County, Nevada

Dear Mr. Ricker:

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 August 8, 1955, by N. E. Nelson, Geological Survey, are enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

cc: Docket
Code 400
Adm. Read. File
Oper. Committee
T. Kiilsgaard, USGS
H. M. Meyer, USBM
FT, Reg. 2

TLChapman/ls
8/11/55

DOCKET
Surname:
Chapman
Martin
Meyer
Kulsgaard
Geehan
Selfridge

100

AUG 17 1955

Mr. Garvice C. Rollins
P. O. Box 527
Lovelock, Nevada

Re: Docket No. DMEA 3936, Mercury
Vulture Claims
Pershing County, Nevada

Dear Mr. Rollins:

The above-docketed application for exploration assistance for mercury ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Rieker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

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

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
FT, Reg. 2
Code 400
Oper. Comm.
Adm. Read. File
T. Kiilsgaard, USGS
H. M. Meyer, USBM

TLChapman/ls
8/11/55

Dorfset

IN REPLY REFER TO:

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

RECEIVED
AUG - 9 1955

August 8, 1955

Copy retained 400

Re: DMEA 3936
Garvis C. Rollins
Good Spot Mine
Pershing Co., Nev.
$11,000 - Mercury

WSM

Memorandum

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

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

Subject: Review of Application.

I have no information on the Good Spot mine. No map accompanies the application and it is not possible to relate it to any of the several mercury prospects, possibly in the same locality, on which I have information.

Unless the early day production, if any, was of large proportions, the work done to date has not been profitable. The quantity of mercury produced in the last four months, about 10 flasks, if related to a stated amount of openings, should afford a good sample.

The applicant is somewhat of a novice and the program outlined may not be justified even though some work is warranted.

A referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

August 4, 1955

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-3936 Garvice C. Rollins

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

August 4, 1955
Subject: DMEA-3936
Re: Exploration Assistance

Mr. Garvice C. Rollins
Box 527
Lovelock, Nevada

Dear Mr. Rollins:

The receipt of your application dated July 30, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3936 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

DMEA

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

1605 Evans Avenue
Reno, Nevada

August 2, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Mercury)
Garvice C. Rollins
Vulture Claim
Pershing County, Nevada

Attached are three sets of MF-103, Application for Aid forms relative to above subject. The fourth set has been retained in our files.

S. Ricker

Attachs. -

BUREAU OF MINES
WASHINGTON, D. C.

AUG 4 8 26 AM '55

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3936
Metal or Mineral Mercury
Date Received 8/1/55
Estimated Cost $11,000
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: Garvice C. Rollins P. O. Box 527, Lovelock, Nevada

(*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 Vulture, Vulture #2, Vulture #3, Vulture #4, Vulture #5, Vulture #6 and Vulture #7 Lode Claims of record in the Recorder's Office of Pershing County

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

(*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.

e exploration project.—(a) State the mineral or minerals for which you wish to explore

Cinnebar Ore (Mercury)

(*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)?

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated July 30, 1955

G. C. Rallins
(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

RECEIVED
AUG - 4 1955

Accompanying sheet page 1
G. C. Rollins
Box 527
Lovelock, Nevada

4(a) Physical Description

The Vulture Claims, known as the Good Spot Mine, has about 200 feet of tunnel and drift, 27 feet of incline shaft, about 50 feet of vertical shaft. I am drifting on an ore vein and a drag vein. Equipment consists of ore car track, jack hammer, clay cutter, pipe, hoist and one two-pipe retort.

My interest in these operations is as owner.

Accessibility of mine workings. The mine is wide open and in good shape for examination purposes.

4(b) Past Production

Early day production is unknown. Production during World War II was about 20 flasks of quicksilver. Harolds Club was working the mine at this time.

Current Production

During the last four months we have taken out about 10 flasks of quicksilver.

Ore Reserves

Cinnabar ore is available, but it is not retort ore.

4(c) Geologic Features

Lime formation, cinnabar veins, bedding lime formation capped by talc shale.

My reasons for wishing to explore is locate either a pipe or long kidney and to develop it enough for mill and furnace production.

4(d) Accessibility of project

Access road 17 miles to Lovelock over a first class graveled road.

Distance to shipping, same as above

Supply and residence points, same as above.

4(e) Availability of

Manpower-------plenty	Equipment-----on hand
Materials------good	Water---------hauled 1½ miles
Supplies-------good	Power---------gasoline

5(b) Proposed work

300 feet of drifting on vein system and cross cutting veins. Probably some sinking, but undetermined as of present. Present vein has had about 30° drop for about 60 feet.

5(d) Operating Experience of Applicant

Applicant, G. C. Rollins, has been in the mining business for about one and one/half years. He has been working for 10 months at the present site, and was previously a mechanic.

The applicant will supervise the exploration operations.

6(a) Estimate of costs and Independent contracts.

300 feet of drifting on vein system	$30 per foot	$9,000
50 feet of shaft sinking	$40 per foot	2,000
	Total	$11,000

2 750
3
8 250

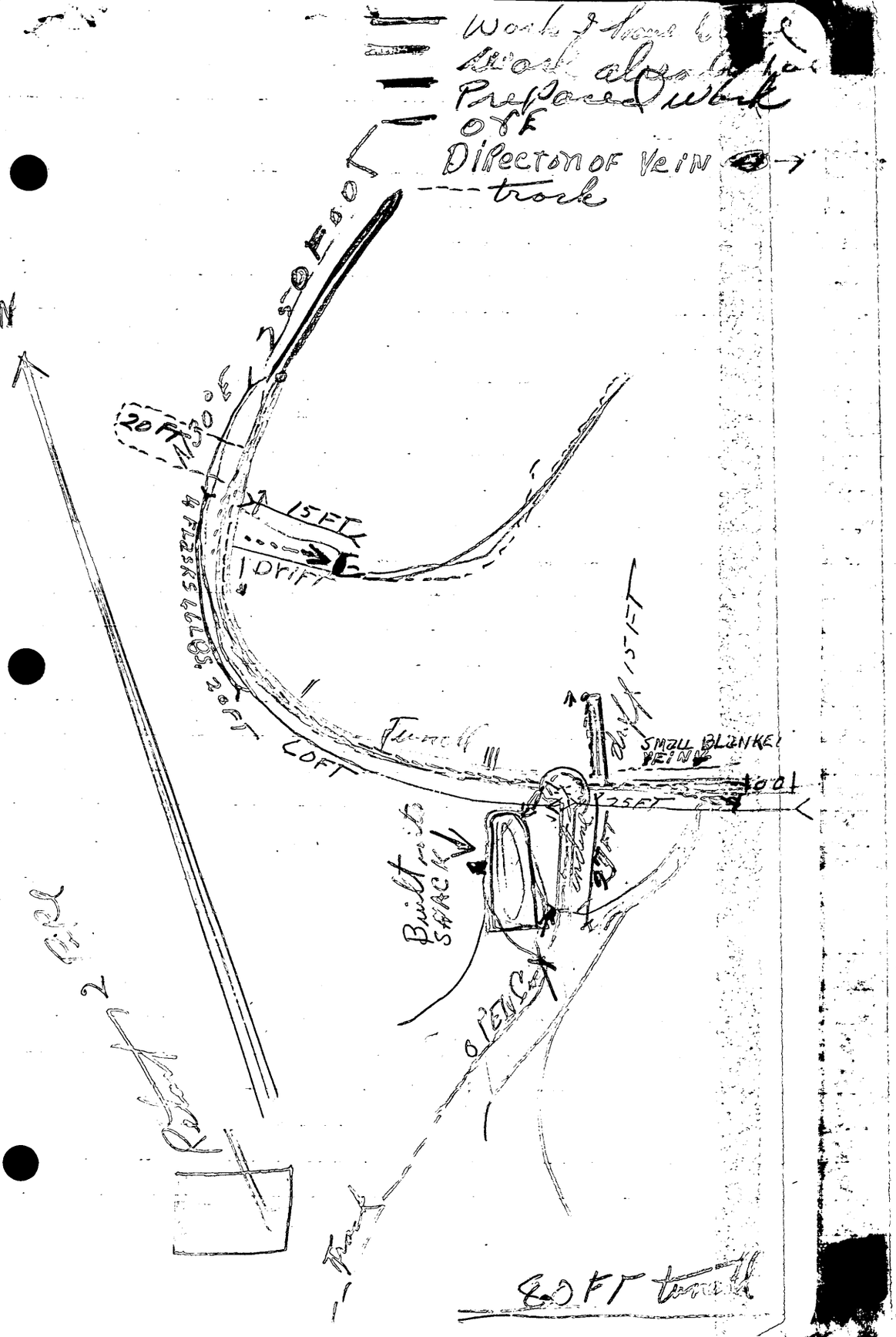
6(b) Included in contract

6(c) Included in contract

(d) Operating Equipment

1 jackhammer p45
1 116 clay cutter
1 hoist
2 ore cars
track
1 gasoline hoist
steel and bites
1 trailer
1 car

water hose
pipe
small tools



SHAFT offset SP
made in Bedrock
Sinkers 35 FT
Pit
in Bed

One geologist from SP was
unofficially around for SP on Elkhorn
fault from Mine working in
about 1/2 mile further around
of area presently working