File Copy
Surname
Griswold
Yoga
Nelson
Selfridge

500

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

SEP - 7 1955

Mr. Harry E. Kauffman

Rico, Colorado

Re: Docket No. DMEA-3718 (Lead)
Robert Baer, Jr., Alfred Baer
and Harry E. Kauffman
Lucky Strike, et al claims
Dolores County, Colorado

Dear Mr. Kauffman:

Your application for aid for an exploration project and other reports available to us in Washington concerning the above-named 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 a small amount of lead mineralization on your property, indicates to us that 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 Program and for bringing your property to our attention.

Sincerely yours,
C. O. Mittendorf

Administrator

WRGriswold/bjl (9/2/55)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Bishop
Mr. Kiilsgaard
Region III (2)
Chron.

R.C.S.

UNITED STATES 500
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

September 2, 1955

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of application Docket No. DMEA-3718 (Lead), Robert Baer, Jr., Alfred Baer and Harry E. Kauffman, Luckey Strike, et al claims, Dolores County, Colorado

The cited application is based upon the occurrence of a lead ore in a conglomerate stratum which is a member of a series of sandstones, shales and conglomerates. The mineralized section varies in width from a thin seam up to two feet, with average thickness around half a foot. It is some 80 feet in length and lenses out at each end.

There is little reason to believe that this small erratic occurrence could develop into anything of significance. We concur with the recommendations of the Field Team and the Commodity members that this application be denied.

W. R. Griswold

W. R. Griswold

File Copy
Surname

500

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

September 2, 1955

Memorandum

To: Administrator

From: Chief, Base Metals Division

Subject: Denial of application Docket No. DMEA-3718 (Lead), Robert Baer, Jr., Alfred Baer and Harry F. Kauffman, Luckey Strike, et al claims, Dolores County, Colorado

The cited application is based upon the occurrence of a lead ore in a conglomerate stratum which is a member of a series of sandstones, shales and conglomerates. The mineralized section varies in width from a thin seam up to two feet, with average thickness around half a foot. It is some 80 feet in length and lenses out at each end.

There is little reason to believe that this small erratic occurrence could develop into anything of significance. We concur with the recommendations of the Field Team and the Commodity members that this application be denied.

W. R. Griswold

W. R. Griswold

WRGriswold/bjl (9/2/55)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Chron.

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

RECEIVED
SEP - 1 1955

Griswold

August 31, 1955

Re: DMEA-3718
(Lead, $5,350)
Kaufman, Baer & Baer
Lucky Strike Prospect
Dolores County, Colo.

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop,
Branch of Base Metals

Subject: Review of application and field team report
(August 16, 1955)

The Lucky Strike property consists of 4 unpatented mining claims in sec. 26, T. 41 N., R. 10 W., Dolores County, Colorado about 9 miles northeast of Rico. The mineralization consists of disseminated crystals and aggregates of galena which partially replace a lens of conglomerate 84 feet long and but 3 1/2 feet in maximum thickness. Four smaller lenses of conglomerate are exposed at different stratigraphic horizons. One of these is slightly mineralized over 5 feet of length, but the remaining three are barren.

Three small excavations in the 84-foot lens have been made to give a fresh rock exposure. Analysis submitted by the applicant ranged from 5.7 to 39.2 percent lead. Observations by the field examiners indicated the mineralization ranges from thin seams to 2 feet; averages about 0.5 feet in thickness; and contains less than 5 percent lead.

The applicant proposes building an access road of unstated length, and the driving of two 100-foot adits into the conglomerate. Total cost of this work is estimated to be $5,350.

Since the conglomerate which forms the site of the ore deposition appears to have a very limited extent, there is no reason to believe the proposed exploration would be successful. It is recommended the application be denied as recommended by the field team and examiners.

O. M. Bishop

O. M. Bishop pk.

Copy to - Div. of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

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

RECEIVED
SEP - 1 1955

August 31, 1955

Re: DMEA-3718
(Lead, $5,350)
Kaufman, Baer & Baer
Lucky Strike Prospect
Dolores County, Colo.

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop,
Branch of Base Metals

Subject: Review of application and field team report
(August 16, 1955)

The Lucky Strike property consists of 4 unpatented mining claims in sec. 26, T. 41 N., R. 10 W., Dolores County, Colorado about 9 miles northeast of Rico. The mineralization consists of disseminated crystals and aggregates of galena which partially replace a lens of conglomerate 84 feet long and but 3 1/2 feet in maximum thickness. Four smaller lenses of conglomerate are exposed at different stratigraphic horizons. One of these is slightly mineralized over 5 feet of length, but the remaining three are barren.

Three small excavations in the 84-foot lens have been made to give a fresh rock exposure. Analysis submitted by the applicant ranged from 5.7 to 39.2 percent lead. Observations by the field examiners indicated the mineralization ranges from thin seams to 2 feet; averages about 0.5 feet in thickness; and contains less than 5 percent lead.

The applicant proposes building an access road of unstated length, and the driving of two 100-foot adits into the conglomerate. Total cost of this work is estimated to be $5,350.

Since the conglomerate which forms the site of the ore deposition appears to have a very limited extent, there is no reason to believe the proposed exploration would be successful. It is recommended the application be denied as recommended by the field team and examiners.

O. M. Bishop

O. M. Bishop

Copy to - Div. of Minerals
Mr. Killagaard, Room 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

August 26, 1955

Griswold

Re: DMEA 3718
Kaufman, Baer & Baer
Lucky Strike Group
Dolores Co., Colo.
$5,350 - Lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of Field Team report.

The application asked for assistance in exploring a thin, horizontal conglomerate bed containing small showings of galena by drifting. Work on an access road was also proposed.

The small showings are considered to be of little promise and unworthy of Government participation in an exploration project.

I concur with the conclusions of the examiners and the denial recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

August 26, 1955

Re: DMEA 3716
Kaufman, Bear & Bear
Lucky Strike Group
Dolores Co., Colo.
$5,350 - Lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of Field Team report.

The application asked for assistance in exploring a thin, horizontal conglomerate bed containing small showings of galena by drifting. Work on an access road was also proposed.

The small showings are considered to be of little promise and unworthy of Government participation in an exploration project.

I concur with the conclusions of the examiners and the denial recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/26/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617

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

Griswold

August 17, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3718, (Lead), Kaufman, Baer and Baer, Lucky Strike prospect, Dolores County, Colorado

Enclosed are the original and three copies of the report pertaining to the above application.

The field examiners concluded that there was little possibility of discovering a significant amount of lead as a result of the proposed exploration and they recommend that the application be denied.

We concur in this recommendation.

Field Team Region III

W. M. Traver

E. N. Harshman

RECEIVED
AUG [illegible] 1955

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

TRANSMITTED

AUG 17 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES

DMEA
Date Rec'd.

AUG 16 1955

BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 2, Colorado
August 16, 1955

Region III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
J. F. Shaw

Subject: Docket No. DMEA 3718, Kaufman, Baer and Baer, (Lead), Dolores County, Colorado

Enclosed are the original and eight copies of a Joint Engineering and Geologic report by Glen Walker, Mining Engineer and J. E. O'Rourke, Geologist covering Docket No. DMEA 3718.

The applicants requested exploration assistance in the amount of $5,350.00 to explore four unpatented mining claims in Section 26, T. 41 N., R. 10 W. by driving two 100-foot adits into a horizontal layer of sandstone that contained some galena. The examination of the property was made on June 23, 1955.

The examining team concluded that there was little possibility of discovering a significant amount of lead as a result of the proposed exploration. It is recommended that the application be denied.

E. N. Harshman

E. N. Harshman
Member Field Team

John F. Shaw

John F. Shaw
Supervising Mining Engineer

JFS:jw

cc: w/orig.
DMEA 3718
ENHarshman
Chron.

RECEIVED
AUG 22 1955

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 3718

Kaufman, Baer and Baer

Dolores County, Colorado

Lead

By

Glen Walker
Mining Engineer
Bureau of Mines

J. E. O'Rourke
Geologist
Geological Survey

August 15, 1955

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

Summary, Conclusions, and Recommendations

By

Glen Walker
Mining Engineer
Bureau of Mines

J. E. O'Rourke
Geologist
Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Glen Walker and J. E. O'Rourke

Harry E. Kaufman of Rico, Colorado requested Government assistance in the exploration for lead ore on four claims in sec. 26, T. 41 N., R. 10 W, New Mexico Principal Meridian of Dolores County, Colorado. He proposed driving two 100-foot adit drifts on galena found in a sandstone outcrop; the cost of this work was estimated at $5,350.00.

A DMEA field examination was made on June 22, 1955 by J. E. O'Rourke of the U.S.G.S., Alberto Manrique, Point IV trainee, and Glen Walker of the Bureau of Mines in company with Harry Kaufman.

It was concluded that the probability of making a significant discovery of lead is slight because of the amount and erratic nature of the occurrence.

It is recommended that the application for assistance be denied.

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

Joint Engineering and Geologic Report

By Glen Walker
Mining Engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
8-26-55
(date)

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

CONTENTS

Joint Engineering and Geologic Report	Page
Introduction	1
Acknowledgements	1
Location, topography and physical features	2
History, production and ownership	3
Description of deposits	3
General Geology	3
Geology	3
Minable Ore reserves	5
Present status	5
Project proposals with costs	6
Conclusions	6
Recommendations	6

ILLUSTRATIONS

Figure	Follows page
1. Location Map of Lucky Strike Claims, Dolores County, Colorado	2
2. Plan Map of Conglomerate Outcrop Lucky Strike Prospect Dolores County, Colorado	4

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

JOINT ENGINEERING AND GEOLOGIC REPORT

By Glen Walker and J. E. O'Rourke

INTRODUCTION

Harry E. Kaufman, Alfred Baer and Robert Baer, Jr., partners, of Rico, Colorado applied to the DMEA for assistance in the exploration for lead ore in sandstone on four claims in sec. 26, T. 41 N., R. 10 W., New Mexico Principal Meridian, Dolores County, Colorado. The work outlined in the application consisted of the construction of about a mile of access road and the driving of two 100-foot adits into an essentially horizontal layer of conglomeratic sandstone that contained some galena. The applicants estimated the work would cost $5350.00.

An examination of the property by a Region III examining team was made on June 23, 1955.

Because of the insufficient and spotty occurrence of the sulfide minerals it was decided the showings did not warrant DMEA participation in their exploration.

ACKNOWLEDGEMENTS

Harry E. Kaufman, one of the applicants, accompanied the examining team and offered information on the property and the immediate vicinity.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The four unpatented mining claims are in sec. 26, T. 41 N., R. 10 W. New Mexico Principal Meridian in Dolores County, Colorado about 9 miles northeast of Rico near the confluence of the east fork of the Dolores River and Meadow Creek. Presently it is necessary to walk from State Route 145 about a mile to the property; however, a very passable road readily could be built along the old narrow-gauge railroad right of way which is within 150 yards of the outcrops, see fig. 1.

The property is practically in the valley of the Dolores River on the west slope of Sheep Mountain which is almost 13,000 feet above sea level. The claims are at an elevation of about 10,000 feet and were located to include about 3/4 of a mile of Cretaceous Dakota-Mancos contact. The Dakota sandstone bluff, near the bottom of which the mineralized rock was found, rises 20 - 40 feet above a steep talus slope. The Mancos shale above the bluff has formed a rather gentle grassy slope for several hundred feet northeast of the bluff.

No timber suitable for mining purposes was noted on the property; however, within a mile there is ample sizeable spruce timber.

Water is plentiful from Meadow Creek or the Dolores River about 1/2 mile away.

Power for a small operation would no doubt be supplied by internal combustion engines; although there is a public utility power line along the main highway connecting Rico and Ophir about one mile from the property.

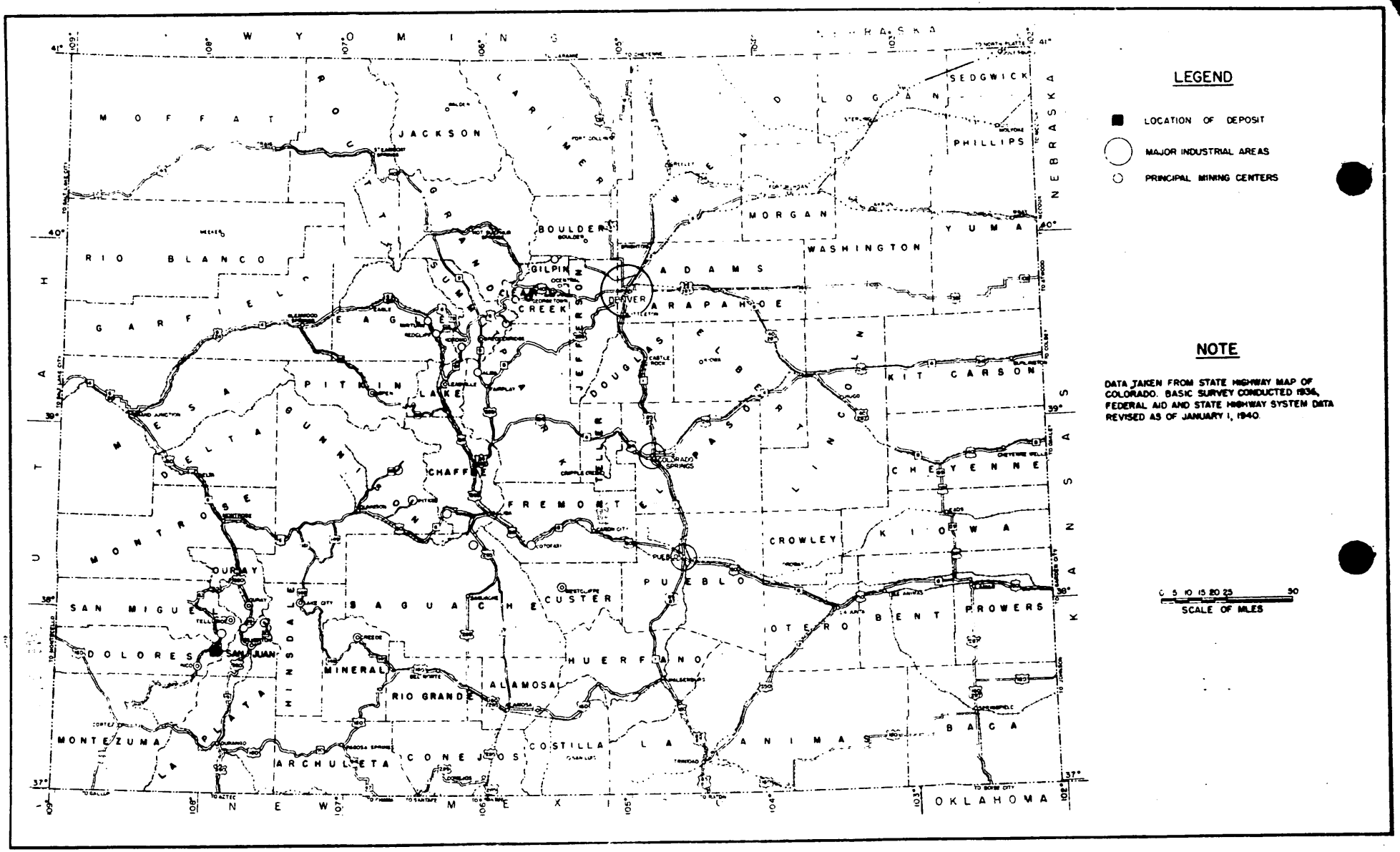


FIGURE 1 - LOCATION MAP OF LUCKY STRIKE CLAIMS, DOLORES COUNTY, COLO. DMEA 3718

Unskilled labor is available in the district but experienced miners are not easily obtainable.

HISTORY, PRODUCTION AND OWNERSHIP

The claims were located in the spring of 1954 and no production has been made to date. The three small excavations in the mineralized horizon were made by hand-drilling for the purpose of obtaining samples of the material.

No time was consumed in examining Dolores County records to establish the claimants property rights because it was believed the Government would not be involved in the property.

DESCRIPTION OF DEPOSITS

General Geology

The Lucky Strike prospect is about five airline miles from the center of the Rico Mining district. This mineralized area is a structural dome about six miles wide that has been intruded by numerous stocks and sheets of Tertiary monzonite. The stratigraphic section includes about 6,000 feet of Paleozoic and Mesozoic sedimentary rocks, but most of the deposits are in the Pennsylvanian Hermosa formation. The ore bodies are fissure veins, replacement lodes and mantos containing pyrite, galena, sphalerite, chalcopyrite and tetrahedrite. Since almost all of the mines are located within 3 miles of Rico, it is not certain that the Lucky Strike deposit is directly related to this center of mineralization.

GEOLOGY

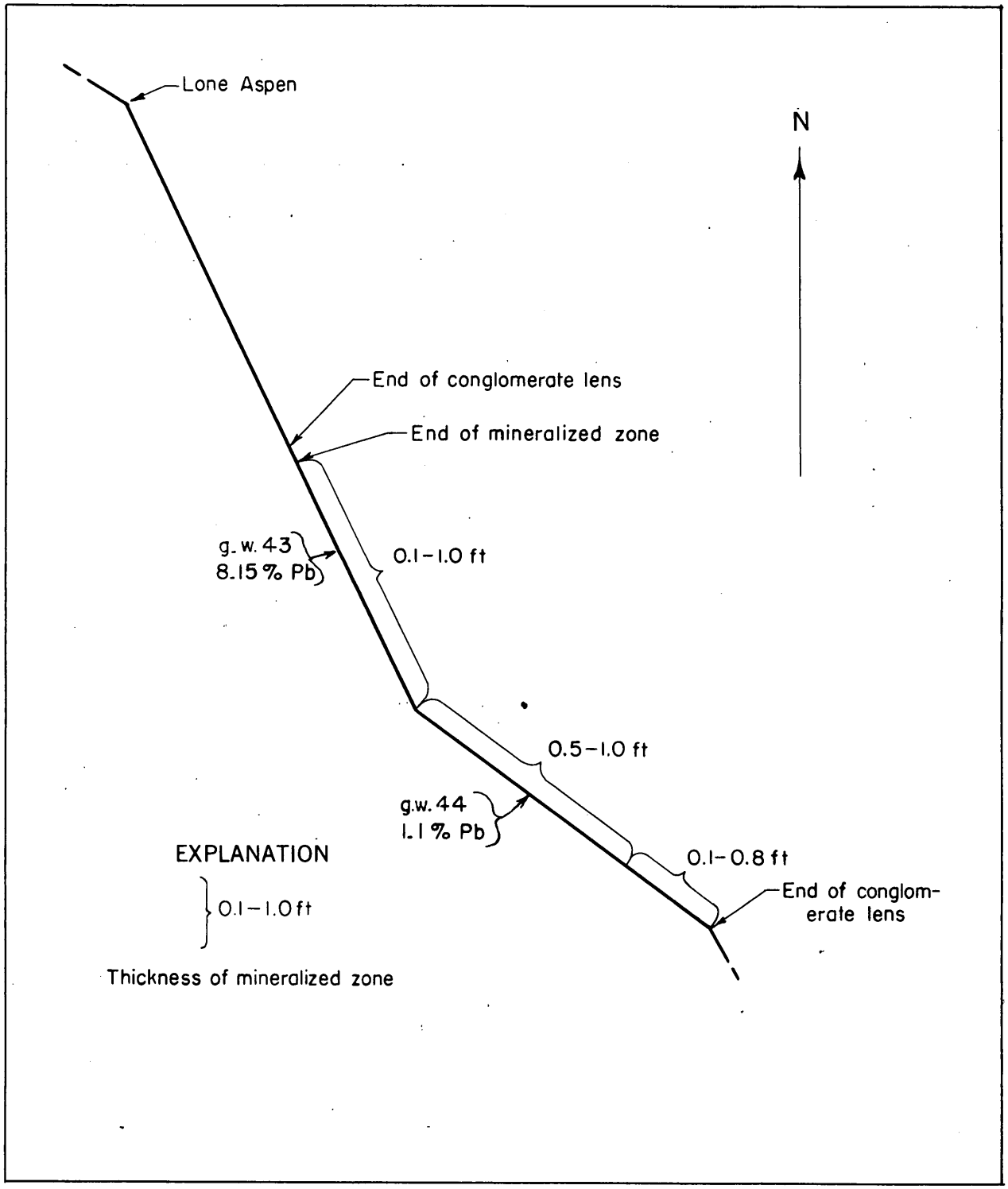
The Lucky Strike deposit is in a horizontal sequence of sandstones, shales and conglomerates that forms a prominent bluff 40-50 feet high on the North Bank of the Dolores River. These rocks are part of the Cretaceous Dakota formation. They are overlain by black carbonaceous Mancos formation.

The deposit is comprised of a conglomerate bed that has been replaced by galena in the form of fine, disseminated crystals and irregular aggregates up to three inches across. No other sulphides are visible megascopically, but assays indicate the presence of silver and gold. The galena is confined almost entirely to the basal part of this single conglomerate bed. The mineralized zone ranges from a thin seam to 2 feet thick and probably averages about half-a-foot thick. (Fig. 2).

The conglomerate is exposed continuously along its entire length of 84 feet. It is mineralized in all but a few feet of this distance. It averages about $3\frac{1}{2}$ feet thick, but lenses out abruptly at both ends. It is overlain by dense fine-grained quartzose sandstone and is underlain by dark gray shale. Four smaller beds of conglomerate are exposed at different stratigraphic horizons. One of these contains a mineralized zone about 5 feet long, but the others are barren.

Ore mineralized conglomerate is composed of well rounded pebbles of chert, quartzite, and soft white clay (leached limestone or phosphate) in a matrix of medium grained quartz sand and light yellow clay.

Bedding replacement deposits or mantos are common in the region,



Geology by J. E. O'Rourke July, 1955

FIGURE 2— PLAN MAP OF CONGLOMERATE OUTCROP
LUCKY STRIKE PROSPECT, DELORES COUNTY, COLORADO.

20 0 20 40 Feet

and the Dakota formation contains several such deposits. Burbank (U.S.G.S. Bull. 906-E, 1940, p. 213) notes: "As the quartzites (sandstone in this area) are relatively brittle and are overlain and underlain by incompetent shale formations, minor flexing or tilting has locally formed complex fracture systems that provided incipient channels for the lateral movement of mineralizing solutions."

Since no veins of any type were seen in the conglomerate or adjacent rocks, it may be assumed that the ore solutions migrated laterally through the conglomerate. The conglomerate was probably mineralized preferentially because it was more permeable. Its permeability may have been increased by the solution of some of the limestone pebbles by hydrothermal solutions prior to desposition of the galena. The nearest igneous intrusive is a sheet of diorite porphyry at the top of the Dakota about 1/4 mile to the East.

MINABLE ORE RESERVES

No ore reserves are known to exist at present.

PRESENT STATUS

The three excavations, mentioned previously, penetrate the mineralized horizon only a foot or so and have a lateral extent of 2-4 feet. The basal conglomerate in which mineralization occurs is about $3\frac{1}{2}$ feet thick and lies practically horizontal. One of the prospect holes is about 600 feet SE of the others which are about 50 feet apart.

Analysis submitted by the applicants indicate that the material sampled assayed from 5.7% to 39.2% lead per ton.

Chip samples were taken from the three small excavations. The two best results were from the samples taken about 50 feet apart in the main part of the bluff where the rock shows the greatest amount of mineralization. The average of the analyses indicates there is 2.3 feet that has a value of $8.07 per ton in lead and silver. Analyses were also made for uranium, copper, zinc and gold but the amounts of these elements were practically nil except one sample had 3.5 percent zinc.

PROJECT PROPOSALS WITH COSTS

The applicants proposed building an unspecified length of access road and driving two 100-foot adit drifts into the mineralized conglomerate. The total cost of the project was estimated at $5,350.00.

Because the examining team believes that Government participation is unwarranted, no exploration proposal is submitted.

CONCLUSIONS

The deposit is small. The bed which was favorable to mineralization is clearly limited in two dimensions, and there is no reason to assume that it will have a greater length inside the hill than it does on the exposed bluff. The grade and possible tonnage of the mineralized rock are not adequate to allow profitable explortation at this time.

RECOMMENDATIONS

It is recommended that the application be denied.

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

August 17, 1955

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, DMEA Docket 3716, (Lead), Kaufman, Beer and Beer, Lucky Strike prospect, Dolores County, Colorado

Enclosed are the original and three copies of the report pertaining to the above application.

The field examiners concluded that there was little possibility of discovering a significant amount of lead as a result of the proposed exploration and they recommend that the application be denied.

We concur in this recommendation.

Field Team Region III

W. H. Graver

E. N. Hazelwood

E. N. Hazelwood

RECEIVED
AUG 22 1955

TRANSMITTED

AUG 17 1955

DMEA
Date Rec'd.

AUG 16 1955

BUREAU OF MINES
Denver, Colorado

Building 20
Denver Federal Center
Denver 2, Colorado
August 15, 1955

Region III

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
J. H. Shaw

Subject: Docket No. DMEA 3715, Kaufman, Baer and Baer, (Lead), Dolores County, Colorado

Enclosed are the original and eight copies of a Joint Engineering and Geologic report by Glen Walker, Mining Engineer and J. I. O'Rourke, Geologist covering Docket No. DMEA 3715.

The applicants requested exploration assistance in the amount of $5,350.00 to explore four unpatented mining claims in Section 26, T. 41 N., R. 10 W. by driving two 100-foot adits into a horizontal layer of sandstone that contained some galena. The examination of the property was made on June 23, 1955.

The examining team concluded that there was little possibility of discovering a significant amount of lead as a result of the proposed exploration. It is recommended that the application be denied.

E. N. Harshman
E. N. Harshman
Member Field Team

John H. Shaw
John H. Shaw
Supervising Mining Engineer

JHS:jw

cc: w/orig. ✓
DMEA 3715
EHHarshman
Chron.

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 377[illegible]

Sawtooth, Bear and Bear

Dolores County, Colorado

Lead

By

Glen Walker
Mining Engineer
Bureau of Mines

J. R. O'Rourke
Geologist
Geological Survey

August 15, 195[illegible]

DMEA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

Summary, Conclusions, and Recommendations

By

Glen Walker
Mining Engineer
Bureau of Mines

J. L. O'Rourke
Geologist
Geological Survey

DMEA 3715

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Glen Walker and J. E. O'Rourke

Harry L. Kaufman of Rico, Colorado requested Government assistance in the exploration for lead ore on four claims in sec. 26, T. 41 N., R. 10 W, New Mexico Principal Meridian of Dolores County, Colorado. He proposed driving two 100-foot adit drifts on galena found in a sandstone outcrop; the cost of this work was estimated at $5,350.00.

A DMEA field examination was made on June 22, 1955 by J. E. O'Rourke of the U.S.G.S., Alberto Amarique, Point IV trainee, and Glen Walker of the Bureau of Mines in company with Harry Kaufman.

It was concluded that the probability of making a significant discovery of lead is slight because of the amount and erratic nature of the occurrence.

It is recommended that the application for assistance be denied.

DMEA 3715

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

Joint Engineering and Geologic Report

By Glen Walker
Mining Engineer
Bureau of Mines

DMRA 3718

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

CONTENTS

Joint Engineering and Geologic Report — Page

Introduction 1
Acknowledgements 1
Location, topography and physical features 2
History, production and ownership 3
Description of deposits 3
General Geology 3
Geology 3
Minable Ore reserves 5
Present status 5
Project proposals with costs 6
Conclusions 6
Recommendations 6

ILLUSTRATIONS

Figure — Follows Page

1. Location Map of Lucky Strike Claims, Dolores County, Colorado 2
2. Plan Map of Conglomerate Outcrop Lucky Strike Prospect Dolores County, Colorado 4

DMEA 3716

KAUFMAN, BAER AND BAER
DOLORES COUNTY, COLORADO

JOINT ENGINEERING AND GEOLOGIC REPORT

By Glen Walker and J. E. O'Rourke

INTRODUCTION

Harry E. Kaufman, Alfred Baer and Robert Baer, Jr., partners, of Rico, Colorado applied to the DMEA for assistance in the exploration for lead ore in sandstone on four claims in sec. 36, T. 41 N., R. 10 W., New Mexico Principal Meridian, Dolores County, Colorado. The work outlined in the application consisted of the construction of about a mile of access road and the driving of two 100-foot adits into an essentially horizontal layer of conglomeratic sandstone that contained some galena. The applicants estimated the work would cost $5350.00.

An examination of the property by a Region III examining team was made on June 23, 1955.

Because of the insufficient and spotty occurrence of the sulfide minerals it was decided the showings did not warrant DMEA participation in their exploration.

ACKNOWLEDGEMENTS

Harry E. Kaufman, one of the applicants, accompanied the examining team and offered information on the property and the immediate vicinity.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The four unpatented mining claims are in sec. 26, T. 41 N., R. 10 W. New Mexico Principal Meridian in Dolores County, Colorado about 9 miles northeast of Rico near the confluence of the east fork of the Dolores River and Meadow Creek. Presently it is necessary to walk from State Route 145 about a mile to the property; however, a very passable road readily could be built along the old narrow-gauge railroad right of way which is within 150 yards of the outcrops, see fig. 1.

The property is practically in the valley of the Dolores River on the west slope of Sheep Mountain which is almost 13,000 feet above sea level. The claims are at an elevation of about 10,000 feet and were located to include about 3/4 of a mile of Cretaceous Dakota-Mancos contact. The Dakota sandstone bluff, near the bottom of which the mineralized rock was found, rises 20 - 40 feet above a steep talus slope. The Mancos shale above the bluff has formed a rather gentle grassy slope for several hundred feet northeast of the bluff.

No timber suitable for mining purposes was noted on the property; however, within a mile there is ample sizeable spruce timber.

Water is plentiful from Meadow Creek or the Dolores River about 1/2 mile away.

Power for a small operation would no doubt be supplied by internal combustion engines; although there is a public utility power line along the main highway connecting Rico and Ophir about one mile from the property.

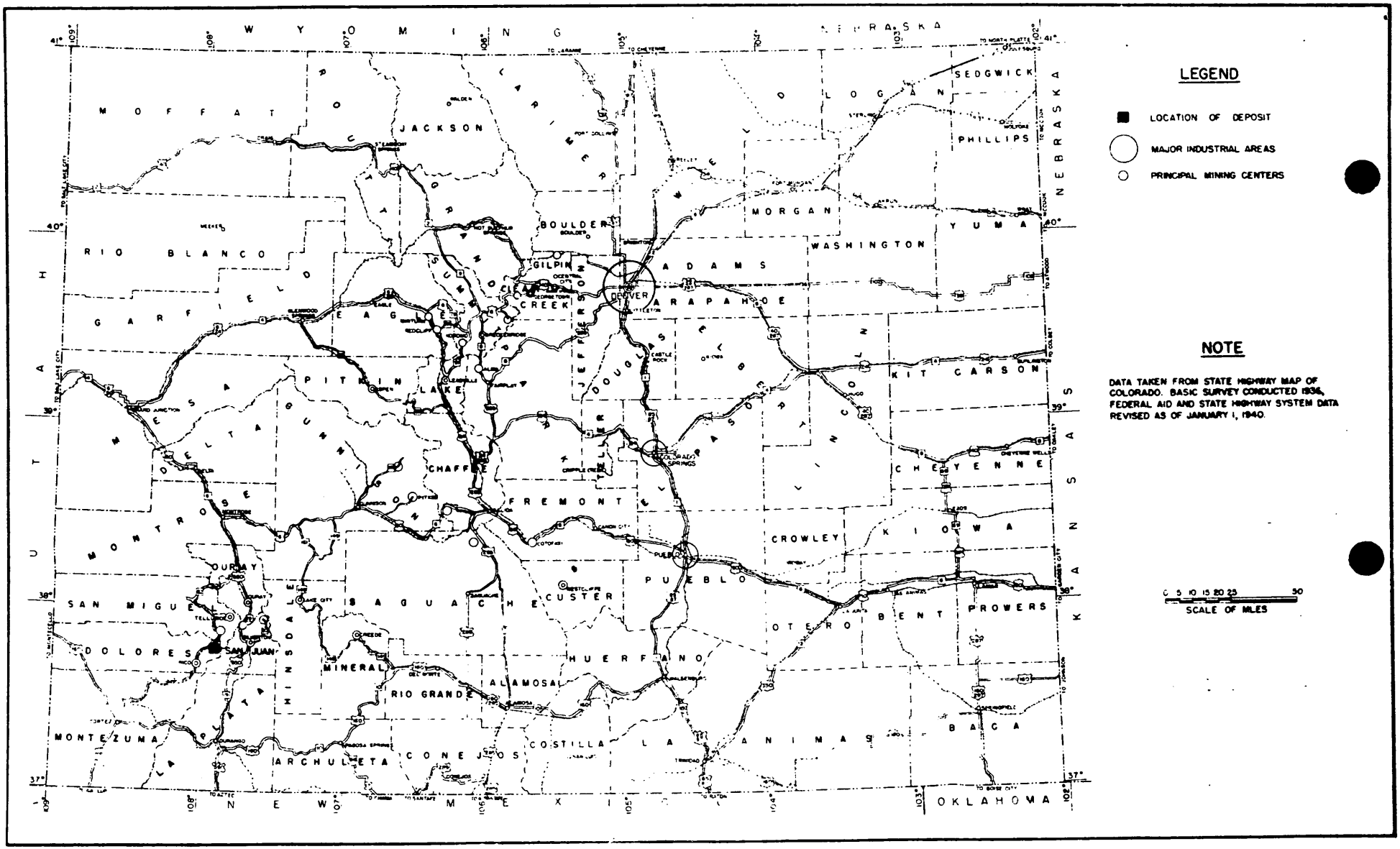


FIGURE 1 - LOCATION MAP OF LUCKY STRIKE CLAIMS, DOLORES COUNTY, COLO. DMEA 3718

Unskilled labor is available in the district but experienced miners are not easily obtainable.

HISTORY, PRODUCTION AND OWNERSHIP

The claims were located in the spring of 1954 and no production has been made to date. The three small excavations in the mineralized horizon were made by hand-drilling for the purpose of obtaining samples of the material.

No time was consumed in examining Dolores County records to establish the claimants property rights because it was believed the Government would not be involved in the property.

DESCRIPTION OF DEPOSITS

General Geology

The Lucky Strike prospect is about five airline miles from the center of the Rico Mining District. This mineralized area is a structural dome about six miles wide that has been intruded by numerous stocks and sheets of Tertiary monzonite. The stratigraphic section includes about 6,000 feet of Paleozoic and Mesozoic sedimentary rocks, but most of the deposits are in the Pennsylvanian Hermosa formation. The ore bodies are fissure veins, replacement lodes and mantos containing pyrite, galena, sphalerite, chalcopyrite and tetrahedrite. Since almost all of the mines are located within 3 miles of Rico, it is not certain that the Lucky Strike deposit is directly related to this center of mineralization.

GEOLOGY

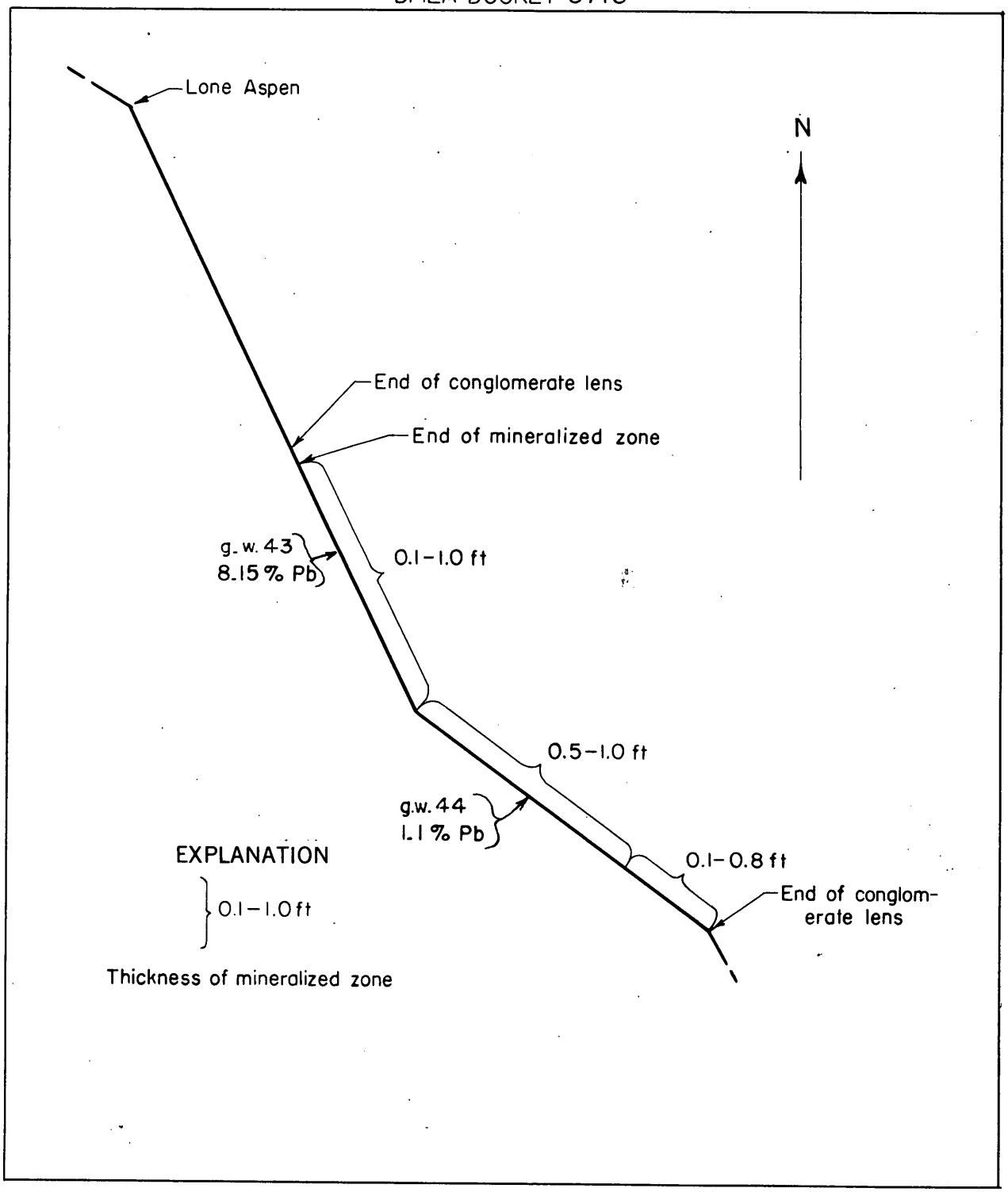
The Lucky Strike deposit is in a horizontal sequence of sandstones, shales and conglomerates that form a prominent bluff 40-50 feet high on the North Bank of the Dolores River. These rocks are part of the Cretaceous Dakota formation. They are overlain by black carbonaceous Mancos formation.

The deposit is comprised of a conglomerate bed that has been replaced by galena in the form of fine, disseminated crystals and irregular aggregates up to three inches across. No other sulphides are visible megascopically, but assays indicate the presence of silver and gold. The galena is confined almost entirely to the basal part of this single conglomerate bed. The mineralized zone ranges from a thin seam to 2 feet thick and probably averages about half-a-foot thick. (Fig. 2).

The conglomerate is exposed continuously along its entire length of 84 feet. It is mineralized in all but a few feet of this distance. It averages about 3½ feet thick, but lenses out abruptly at both ends. It is overlain by dense fine-grained quartzose sandstone and is underlain by dark gray shale. Four smaller beds of conglomerate are exposed at different stratigraphic horizons. One of these contains a mineralized zone about 5 feet long, but the others are barren.

Ore mineralized conglomerate is composed of well rounded pebbles of chert, quartzite, and soft white clay (leached limestone or phosphate) in a matrix of medium grained quartz sand and light yellow clay.

Bedding replacement deposits or mantos are common in the region,



Geology by J. E. O'Rourke July, 1955

FIGURE 2— PLAN MAP OF CONGLOMERATE OUTCROP
LUCKY STRIKE PROSPECT, DELORES COUNTY, COLORADO.

20 0 20 40 Feet

and the Dakota formation contains several such deposits. Burbank (U.S.G.S. Bull. 906-B, 1940, p. 213) notes: "As the quartzites (sandstone in this area) are relatively brittle and are overlain and underlain by incompetent shale formations, minor flexing or tilting has locally formed complex fracture systems that provided incipient channels for the lateral movement of mineralizing solutions."

Since no veins of any type were seen in the conglomerate or adjacent rocks, it may be assumed that the ore solutions migrated laterally through the conglomerate. The conglomerate was probably mineralized preferentially because it was more permeable. Its permeability may have been increased by the solution of some of the limestone pebbles by hydrothermal solutions prior to deposition of the galena. The nearest igneous intrusive is a sheet of diorite porphyry at the top of the Dakota about 1/4 mile to the East.

MINABLE ORE RESERVES

No ore reserves are known to exist at present.

PRESENT STATUS

The three excavations, mentioned previously, penetrate the mineralized horizon only a foot or so and have a lateral extent of 2-4 feet. The basal conglomerate in which mineralization occurs is about 3½ feet thick and lies practically horizontal. One of the prospect holes is about 600 feet SE of the others which are about 50 feet apart.

Analysis submitted by the applicants indicate that the material sampled assayed from 9.7% to 39.2% lead per ton.

Chip samples were taken from the three small excavations. The two best results were from the samples taken about 50 feet apart in the main part of the bluff where the rock shows the greatest amount of mineralization. The average of the analyses indicates there is 2.3 feet that has a value of $8.67 per ton in lead and silver. Analyses were also made for uranium, copper, zinc and gold but the amounts of these elements were practically nil except one sample had 3.5 percent zinc.

PROJECT PROPOSALS WITH COSTS

The applicants proposed building an unspecified length of access road and driving two 100-foot adit drifts into the mineralized conglomerate. The total cost of the project was estimated at $5,350.00.

Because the examining team believes that Government participation is unwarranted, no exploration proposal is submitted.

CONCLUSIONS

The deposit is small. The bed which was favorable to mineralization is clearly limited in two dimensions, and there is no reason to assume that it will have a greater length inside the hill than it does on the exposed bluff. The grade and possible tonnage of the mineralized rock are not adequate to allow profitable exploration at this time.

RECOMMENDATIONS

It is recommended that the application be denied.

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

Forwarded Betty

RECEIVED
JUN 13 1955

224 New Customhouse
Denver 2, Colorado

June 8, 1955 Docket

Memorandum

To: J. F. Shaw (w/brochure)
E. N. Harshman

From: Field Team, Region III

Subject: Docket DMEA-3718 (Lead), Robert Baer, Jr., Alfred Baer, and Harry E. Kauffman, (Lucky Strike et al claims), Dolores County, Colorado

Enclosed are copies of the subject application for a loan of $5,350.00, referral by the Chairman of the Operating Committee, and memoranda to W. R. Griswold, Chief of the Base Metals Division, from O. M. Bishop, USBM, and T. H. Kiilsgaard, USGS. Supplemental data from the applicant requested by the Washington office are also included.

Information contained in the application is incomplete, including that submitted on May 16, 1955. However, a field examination is indicated and requested with suitable covering reports.

W. M. TRAVER

W. M. Traver

E. N. Harshman

E. N. Harshman

Enclosures

WMT:pw

cc: Subject
Chron
Sec.Op.Comm. (2)

Signed Selfridge
Yeferman

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JUN - 2 1955

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg.
Denver 2, Colorado

Re: Docket No. DMEA-3718 (Lead)
Robert Baer, Jr., Alfred Baer
and Harry E. Kauffman
Luckey Strike, et al claims
Dolores County, Colorado

Dear Mr. Traver:

On March 10, you forwarded us the cited application. Since it was so lacking in pertinent data we wrote the Applicant to furnish additional information.

We now have received his letter of May 16 with various assay results (copies of letter and assays are enclosed) and, while the data are still scant, nevertheless it is probably about all we can expect.

Therefore, we are referring the application to you for your consideration and for a field examination whenever the time may be opportune. We are also enclosing copies of the memorandums of Mr. Thor H. Kiilsgaard, USGS, dated May 25, and of Mr. O. M. Bishop, USBM, dated May 24.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (2/3)

Enclosures

WRGriswold/er 5/31/55

APPROVED:

J. H. Hedges (2/3)
Member, Bureau of Mines

Thor H. Kiilsgaard (2/3)
Member, Geological Survey

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

RCG

File Copy
Surname

Discussed
Hedges
Kiilsgaard
Selfridge
Johnson

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

JUN - 2 1955

Mr. Harry E. Kauffman

Rico, Colorado

Re: Docket No. DMEA-3718 (Lead)
Robert Baer, Jr., Alfred Baer
and Harry E. Kauffman
Lackey Strike, et al claims
Dolores County, Colorado

Dear Mr. Kauffman:

Referring to your letter of May 16, with enclosures, your application for Government assistance to explore your property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred for a field examination to:

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Bldg
Denver 2, Colorado

The Regional Office will probably contact you at an early date and any assistance that you may give them will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/er 5/31/55

Copy to: Docket
Admr R File
Cp. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

R.C.S.

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 26 1955

May 25, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration

From: Thor H. Kiilsgaard, U. S. Geological Survey

Subject: Your memo of May 23, requesting comments on DMEA Docket 3718, Baer and Kauffman property, Dolores County, Colorado

The applicant's sample data is ample evidence that his claims are on mineralized ground. If the outcrops are as he has described, 4 feet thick and 400 feet long, the deposit may warrant exploration.

In view of the sample evidence submitted by the applicant and in view of the improbability of getting too much additional supporting data from him, I recommend referral of the application to the field for Field Team examination of the property, and for their recommendations.

Thor H. Kiilsgaard

Thor H. Kiilsgaard

IN REPLY REFER TO:

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

May 25, 1955

Memorandum

To: W. R. Griswold, Chief, Base Metals Division, Defense Minerals Exploration Administration

From: Thor N. Kiilsgaard, U. S. Geological Survey

Subject: Your memo of May 23, requesting comments on DMEA Docket 3718, Baer and Kauffman property, Dolores County, Colorado

The applicant's sample data is ample evidence that his claims are on mineralized ground. If the outcrops are as he has described, 4 feet thick and 400 feet long, the deposit may warrant exploration.

In view of the sample evidence submitted by the applicant and in view of the improbability of getting too much additional supporting data from him, I recommend referral of the application to the field for Field Team examination of the property, and for their recommendations.

Thor N. Kiilsgaard

TNKiilsgaard:hlm
G-5/25/55

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

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

Griswold

May 24, 1955

Re: DMEA-3718
Robert Baer, Jr.,
Alfred Baer and
Harry E. Kauffman,
Rico, Colorado
Lucky Strike, et al
claims, Dolores County,
Colorado ($5,350)

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Field Referral

I have reviewed the subject application of March 3, 1955, and the assays submitted by letter of May 16, 1955.

The applicant proposes to drive two 100-foot drifts on a 4-foot thick bed "consisting of lime and sandstone" which shows lead mineralization for an outcrop distance of 400 feet. Seven assays reported range from 5.7 to 39.2 percent lead and average about 14 percent. Gold, silver, and zinc assays quoted were relatively unimportant.

On the bases of the evidence submitted I recommend a field referral of the application.

O. M. Bishop
O. M. Bishop

Copy to: Div. of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

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

May 24, 1955

Re: DMEA-3718
Robert Baer, Jr.,
Alfred Baer and
Harry E. Kauffman,
Rico, Colorado
Lucky Strike, et al
claims, Dolores County,
Colorado ($5,350)

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Field Referral

I have reviewed the subject application of March 3, 1955, and the assays submitted by letter of May 16, 1955.

The applicant proposes to drive two 100-foot drifts on a 4-foot thick bed "consisting of lime and sandstone" which shows lead mineralization for an outcrop distance of 400 feet. Seven assays reported range from 5.7 to 39.2 percent lead and average about 14 percent. Gold, silver, and zinc assays quoted were relatively unimportant.

On the bases of the evidence submitted I recommend a field referral of the application.

O. M. Bishop
O. M. Bishop

Copy to: Div. of Minerals
Mr. Kiilsgaard, Room 5224
O. M. Bishop
Files

File Copy
Surname

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

May 23, 1955

Memorandum

To: Mr. O. M. Bishop, U. S. Bureau of Mines
Mr. Thor Kiilsgaard, U. S. Geological Survey

From: Chief, Base Metals Division

Subject: Docket No. DMMA-3718, Robert Baer, Jr., Alfred Baer, and Harry E. Kauffman, Lackey Strike, et al claims, Dolores County, Colorado, (Lead)

When the cited application was received we were all in accord that more information was needed prior to a field referral.

We have now received a little additional data (see copy of letter and assay listing). It is true that the information is still sketchy but I am inclined to feel that it is about all we can expect and we may as well make a field referral. May I have your comments?

W. R. Griswold

WRG/er

Copy to: Docket
Base Metals
Chron.

Rico Colorado,

May 16, 1955.

Mr. W. R. Griswold,
Chief Base Matals Division,
Washington, D. C.

Re; Docket No. DMEA 3718 (lead)
Robert Baer Jr. Alfred Baer,
and Harry E. Kauffman.
Luckey Strike, et al Claims.

Dear Sir;

Reference is made to your letters of March 25 and April 28, 1955.

If you will refer to our application you will note that it stated that it would not be advisable to examine the property before about the middle of May on account of snow conditions, this is our reason for the delay in answering your letters.

We made a trip to the claims and took some samples at random where the bed was exposed and am sending you the assay sheets together with some samples we took sometime ago.

As to the dip of the bed there has not been enough development work done to determine the dip with any accuracy, but the exposed part lies about level from East to West.

We feel that we have a legimate prospect and would more that welcome an examination by a represenative of your office.

If you decide to make such an examination we could accompany your represenative on a trip to the claims anytime but it would not be advisable to come before June 1. It would not take long to make the examination as the claims are located less that one mile from the highway.

An early reply will be appreiated.

Sincerely yours.

Harry E. Kauffman

Harry E. Kauffman

Form SS 135-11-23-29 5M

THE SUNNYSIDE MINING AND MILLING CO.

CERTIFICATE OF ASSAY.

Alfred Baer - Rico, Colo. EUREKA, COLO., 8/3/53

NO.		DESCRIPTION	OZS. PER 2000 LBS. GOLD	OZS. PER 2000 LBS. SILVER	PER CENT LEAD (WET)	PER CENT COPPER (WET)	PER CENT ZINC	PER CENT IRON	PER CENT INSOLUBLE	PER CENT	PER CENT	REMARKS
	1											
	2	#1	0.01	0.3	7.3							
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
	11											
	12											
	13											
	14											
	15											
	16											

J. R. Bell
ASSAYER.

W. C. ELLIOTT

ROOT & NORTON

ASSAYERS AND CHEMISTS

UMPIRE AND CONTROL WORK — ORE SHIPPERS' AGENTS

1139 Main Avenue, Durango, Colorado

Telephone 36
P. O. Box 301

CERTIFICATE OF ASSAY

Assayed for Murrey Baer

NO.	DESCRIPTION	Ozs. Per Ton 2000 Lbs. GOLD	Ozs. Per Ton 2000 Lbs. SILVER	Per Cent Lead (wet)	Per Cent Copper (wet)	Per Cent Zinc	Per Cent Insoluble	Per Cent Iron	VALUE $ PER TON	
Sample		0.02	2.0	39.2		0.4				

Durango, Colorado Oct. 22 1954

Charges$ 3.25

ROOT AND NORTON

ASSAYERS

Rico Argentine Mining Co.

Rico, Colorado

ASSAY CERTIFICATE

Date 5/5/55

Sample assayed for Mr. Alfred Baer,
Rico, Colorado

Car Nos.

Lot Nos.

	Ozs. Au.	Ozs. Ag.	% Pb.	% Zn.	% Cu.	% Fe.	% Insol.			
Mine			5.7							
Smelter										

Assayer

Rico Argentine Mining Co.

Rico, Colorado

ASSAY CERTIFICATE

Sample assayed for
Mr. Alfred Baer,

Rico, Colo

Date 5/7/55

Car Nos.

Lot Nos.

	Ozs. Au.	Ozs. Ag.	% Pb.	% Zn.	% Cu.	% Fe.	% Insol.			
Mine			6.4							
Smelter										

Assayer

W. C. ELLIOTT

ROOT & NORTON

ASSAYERS AND CHEMISTS

UMPIRE AND CONTROL WORK — ORE SHIPPERS' AGENTS

1139 Main Avenue, Durango, Colorado

Telephone 36
P. O. Box 301

CERTIFICATE OF ASSAY

Assayed for Mr. H. E. Kauffman,

NO.	DESCRIPTION	Ozs. Per Ton 2000 Lbs. GOLD	SILVER	Per Cent Lead (wet)	Per Cent Copper (wet)	Per Cent Zinc	Per Cent Insoluble	Per Cent Iron	VALUE $ PER TON	
1				8.9						
2				18.2						
3				10.8						

Durango, Colorado May 12 1955

Charges$ 3.00 Paid

ROOT AND NORTON

ASSAYERS

File Copy
Surname
Griswold

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

April 29, 1955

Mr. Harry E. Kauffman

Rico, Colorado

Re: Docket No. DMEA-3718 (Lead)
Robert Baer, Jr., Alfred Baer,
and Harry E. Kauffman
Luckey Strike, et al claims
Dolores County, Colorado

Dear Mr. Kauffman:

On March 25, we wrote you requesting additional information regarding your application for aid in the cited exploration project.

So far we have not had a reply from you and we cannot proceed with your application without the information which we outlined in our letter. If we do not hear from you within thirty days we will have to assume that you are no longer interested and your application will be placed in the inactive file.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

WRG/er

Copy to: Docket
Admr R. File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

R.L.G.

File Copy
Surname

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

March 25, 1955

Mr. Harry E. Kauffman

Rico, Colorado

Re: Docket No. DMEA-3718 (Lead)
Robert Baer, Jr., Alfred Baer,
and Harry E. Kauffman
Luckey Strike, et al claims
Dolores County, Colorado

Dear Mr. Kauffman:

Your application for Government assistance has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration.

Before we could attempt an appraisal of your project we would require additional information.

You state that the outcrop of your mineralized bed shows lead deposits for a distance of 400 feet. You should cut samples for assay across the full width of the bed, at regular intervals. At least eight or ten such samples should be taken and assayed.

What is the dip of the bed, measured from the horizontal?

If you will forward us the assay results as indicated above, with a sketch showing sample width, location, etc., together with any further information you may have available, we will be glad to review your project.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

WRG/er

Copy to: Docket
Admr. R. File
Op. Committee
Region III (2)
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.

R.C.S.

IN REPLY REFER TO:

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

March 17, 1955

Re: DMEA-3718
Baer & Kauffman
(Luckey Strike, Sheep Mountain and High Bridge Claims)
Dolores Co., Colo.
$5,350 - Lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of application

The operator has proposed to explore a four foot bed of lead-bearing "lime and sandstone" by driving two 100 foot adits.

At the present time this is a raw prospect. The only work undertaken has been in connection with the location of the claims.

We do not have any specific geologic information pertaining to these claims. The property is located in the Rico area where a number of lead-zinc mines have been developed. Blanket and bedding replacement deposits occur in the basal part of the Hermosa formation of Pennsylvanian age and the Leadville-Ouray limestones of Devonian and Mississippian age. Although all the deposits in the district are not confined to this type of ore body, the meager data in the application suggests that lead mineralization on the property may be limited to a particular horizon.

Further information, i.e. geologic maps, sample assays, etc. are needed for a fair appraisal of the applicant's proposal. I recommend the operator be asked for this type of information with the express understanding that unless he presents further substantiating data we will be unable to further process his application.

E. L. Newcomb
E. L. Newcomb

IN REPLY REFER TO:

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

March 17, 1955

Re: DMEA-3718
Baer & Kauffman
(Lookey Strike, Sheep Mountain and High Bridge Claims)
Dolores Co., Colo.
$5,350 - Lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of application

The operator has proposed to explore a four foot bed of lead-bearing lime and sandstone by driving two 100 foot adits.

At the present time this is a raw prospect. The only work undertaken has been in connection with the location of the claims.

We do not have any specific geologic information pertaining to these claims. The property is located in the Rico area where a number of lead-zinc mines have been developed. Blanket and bedding replacement deposits occur in the basal part of the Hermosa formation of Pennsylvanian age and the Leadville-Ouray limestones of Devonian and Mississippian age. Although all the deposits in the district are not confined to this type of ore body, the meager data in the application suggests that lead mineralization on the property may be limited to a particular horizon.

Further information, i.e. geologic maps, sample assays, etc. are needed for a fair appraisal of the applicant's proposal. I recommend the operator be asked for this type of information with the express understanding that unless he presents further substantiating data we will be unable to further process his application.

E. L. Newcomb

ELNewcomb:hlm
G-3/17/55
Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

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

March 16, 1955

Memorandum

To: W. R. Griswold
Chief, Base Metals Division, DMEA

From: J. H. Hedges, Bureau of Mines

Subject: DMEA-3718 (Lead) Robert Baer Jr., Alfred Baer and Harry E. Kauffman, Lucky Strike Lode, Dolores County, Colorado

The applicants propose to drive two 100 foot drifts on a bed of limestone and sandstone reported to show some lead mineralization over a length of about 400 feet. No work has been done on the property and no samples have been taken along the mineralized outcrop that might indicate a worthwhile target for an exploration project.

The work proposed is obviously prospecting and on that basis the application should be denied. However, the claims are readily accessible after the snow is off and I would not object to a field referral.

J. H. Hedges
J. H. Hedges

Copy to: O.M. Bishop, Room 3617
Division of Minerals
J. H. Hedges

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

March 16, 1955

Memorandum

To: W. R. Griswold
Chief, Base Metals Division, DMEA

From: J. H. Hedges, Bureau of Mines

Subject: DMEA-3718 (Lead) Robert Beer Jr., Alfred Beer and Harry E. Kauffman, Lucky Strike Lode, Dolores County, Colorado

The applicants propose to drive two 100 foot drifts on a bed of limestone and sandstone reported to show some lead mineralization over a length of about 400 feet. No work has been done on the property and no samples have been taken along the mineralized outcrop that might indicate a worthwhile target for an exploration project.

The work proposed is obviously prospecting and on that basis the application should be denied. However, the claims are readily accessible after the snow is off and I would not object to a field referral.

J. H. Hedges
J. H. Hedges

Copy to: O.M. Bishop, Room 3617
Division of Minerals
J. H. Hedges

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

March 16, 1955

Memorandum

To: W. R. Griswold
Chief, Base Metals Division, DMEA

From: J. H. Hedges, Bureau of Mines

Subject: DMEA-3718 (Lead) Robert Baer Jr., Alfred Baer and Harry E. Kauffman, Lucky Strike Lode, Dolores County, Colorado

The applicants propose to drive two 100 foot drifts on a bed of limestone and sandstone reported to show some lead mineralization over a length of about 400 feet. No work has been done on the property and no samples have been taken along the mineralized outcrop that might indicate a worthwhile target for an exploration project.

The work proposed is obviously prospecting and on that basis the application should be denied. However, the claims are readily accessible after the snow is off and I would not object to a field referral.

J. H. Hedges

J. H. Hedges

Copy to: O.M. Bishop, Room 3617
Division of Minerals
J. H. Hedges

IN REPLY REFER TO:

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

March 17, 1955

Re: DMEA-3718
Baer & Kauffman
(Luckey Strike, Sheep Mountain and High Bridge Claims)
Dolores Co., Colo.
$5,350 - Lead

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of application

The operator has proposed to explore a four foot bed of lead-bearing "lime and sandstone" by driving two 100 foot adits.

At the present time this is a raw prospect. The only work undertaken has been in connection with the location of the claims.

We do not have any specific geologic information pertaining to these claims. The property is located in the Rico area where a number of lead-zinc mines have been developed. Blanket and bedding replacement deposits occur in the basal part of the Hermosa formation of Pennsylvanian age and the Leadville-Ouray limestones of Devonian and Mississippian age. Although all the deposits in the district are not confined to this type of ore body, the meager data in the application suggests that lead mineralization on the property may be limited to a particular horizon.

Further information, i.e. geologic maps, sample assays, etc. are needed for a fair appraisal of the applicant's proposal. I recommend the operator be asked for this type of information with the express understanding that unless he presents further substantiating data we will be unable to further process his application.

E. L. Newcomb

ELNewcomb:hlm
G-3/17/55
Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

IN REPLY REFER TO:

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

March 17, 1955

Re: DMEA-3718
Bear & Kauffman
(Lucky Strike, Sheep Mountain and High Bridge Claims)
Dolores Co., Colo.
$5,350 - Lead

Memorandum

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

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

Subject: Review of application

The operator has proposed to explore a four foot bed of lead-bearing lime and sandstone by driving two 100 foot adits.

At the present time this is a raw prospect. The only work undertaken has been in connection with the location of the claims.

We do not have any specific geologic information pertaining to these claims. The property is located in the Rico area where a number of lead-zinc mines have been developed. Blanket and bedding replacement deposits occur in the basal part of the Hermosa formation of Pennsylvanian age and the Leadville-Gurley limestones of Devonian and Mississippian age. Although all the deposits in the district are not confined to this type of ore body, the meager data in the application suggests that lead mineralization on the property may be limited to a particular horizon.

Further information, i.e. geologic maps, sample assays, etc. are needed for a fair appraisal of the applicant's proposal. I recommend the operator be asked for this type of information with the express understanding that unless he presents further substantiating data we will be unable to further process his application.

E. L. Newcomb

ELNewcomb:hlm
G-3/17/55
Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617 Interior

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

March 16, 1955

Memorandum

To: W. H. Griswold
Chief, Base Metals Division, MMA

From: J. H. Hedges, Bureau of Mines

Subject: DMA-3718 (Lead) Robert Baer Jr., Alfred Baer and Harry D. Kauffman, Lucky Strike Lode, Dolores County, Colorado

The applicants propose to drive two 100 foot drifts on a bed of limestone and sandstone reported to show some lead mineralization over a length of about 400 feet. No work has been done on the property and no samples have been taken along the mineralized outcrop that might indicate a worthwhile target for an exploration project.

The work proposed is obviously prospecting and on that basis the application should be denied. However, the claims are readily accessible after the snow is off and I would not object to a field referral.

J. H. Hedges

J. H. Hedges

Copy to: O.M. Bishop, Room 3617
Division of Minerals
J. H. Hedges

March 15, 1955
Subject: DMEA 3718
Re: Exploration Assistance
Luckey Strike, Luckey
Strike Extension No. 1,
Sheep Mountain, and High
Bridge Lodes

Messrs. Robert Baer Jr., Alfred
Baer, and Harry E. Kauffman
Rico, Colorado

Gentlemen:

The receipt of your application dated March 3, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA 3718 and referred to the Base Metals 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

March 15, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 III.

DMEA - 3718 Robert Baer Jr., Alfred Baer, and Harry E. Kauffman

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

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

224 New Customhouse
Denver 2, Colorado

March 10, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA assistance (Lead), Robert Baer, Jr., Alfred Baer, and Harry E. Kaufman (Partnership), Luckey Strike, Luckey Strike Extension No. 1, and Sheep Mountain Lode claims, Dolores County, Colorado

Enclosed are the original and two copies of the subject application for exploration assistance in the full amount of $5,350.00.

One copy of this application has been retained in this office.

W. M. Traver

W. M. Traver

Enclosures

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

RECEIVED
MAR 14 1955

224 New Customhouse
Denver 2, Colorado

March 10, 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA assistance (Lead), Robert Baer, Jr., Alfred Baer, and Harry E. Kaufman (Partnership), Luckey Strike, Luckey Strike Extension No. 1, and Sheep Mountain Lode claims, Dolores County, Colorado

Enclosed are the original and two copies of the subject application for exploration assistance in the full amount of $5,350.00.

One copy of this application has been retained in this office.

W. M. TRAVER

Enclosures

W. M. Traver

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DMEA Date Rec'd MAR 4 1955

RECEIVED MAR 14 1955

BUREAU OF MINES

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. 3718
Metal or Mineral Lead
Date Received 3-14-55
Estimated Cost $5,350
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: Robert Baer Jr. of Cortez, Colorado, and Alfred Baer and Harry E. Kauffman of Rico, Colorado.

(*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 Luckey Strike Lode, Luckey Strike Extension No. 1 Sheep Mountain Lode and the High Bridge lode. Four full claims.

(*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

(*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. Luckey Strike Book 75 Page 281, Locker Strike Extension Book 75 Page 282 Sheep Mountain Lode Book 77 page 58, High Bridge Lode Book 77 Page 57, Dolores County.

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 will explore Lead.

(*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 Six 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?

[x] Money [x] Use of equipment owned by you [x] Other Labor

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 March 3, 1955.

Robert Baer Jr., Alfred Baer and Harry E. Kauffman
(Applicant)

By Harry E. Kauffman

Rico, Colorado.

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.Physicsl Description- (a) The only work done on the claims is the location work.
(b) None (c) Bed four feet thick consisting of lime and sandstone, Showing lead deposits for a distance of approximately four hundred feet.
(d) It will be necessary to buildapproximately on e mile o road from highway to the claims, Ore would be sent to Leadville, Colorado by truck approximately 300 miles. Owners reside in Rico, Colorado about 10 miles distant.
(e) Manpower, materials, supplies and equipment can be obtained at Rico, Colora. Water for drilling is available on the claims, Power can be obtained from the Western Colorado Power Co. See map for location of power line.

5.The exploration project, (a) Lead will be the princible mineral.
(b) It is proposed to run two drifts 100 feet each into the bed to determine extent of deposit.
(c) Work will start within 30 days after contract is signed and be completed within six months.
(d) Mr Robert BaerJr. is an electrician but has had considerable mining experie Mr. Alfred Baer has spent all his lfe in the mining game, Harry E Kauffman was raised in a mining camp his last job was night forman over 60 men for the Rico Argentine Mining Co which position he held for five years.

6. Estimated coste. (a) None
(b) Labor, and supervision $1000.00. (c) We have sufficient small tools such as picks , shovels, drills, air pipe , moning cars ect.valued at $500.00
(d) It will be necessary to either buy or rent a Compressor, One Jackleg machine and about 300 feet of eight pound rails, estimated cost $2000.00
(e) Rehiabilitation and repairs. None.
(f) New Buildings. It will be necessary to construct a small building to house the compressor and equipment, this can be built from old railroad ties at an estimated cost of $250.00
(g) Not determined.
(h) Contingencies. $100.00

Total Estimated cost.

Labor	$1500.00
Small tools furnished	500.00
Compressor and Machine	2000.00
Buildings	250.00
Contingencies	100.00
Road work	500.00
Powder & Fuse	500.00
Total	$5350.00

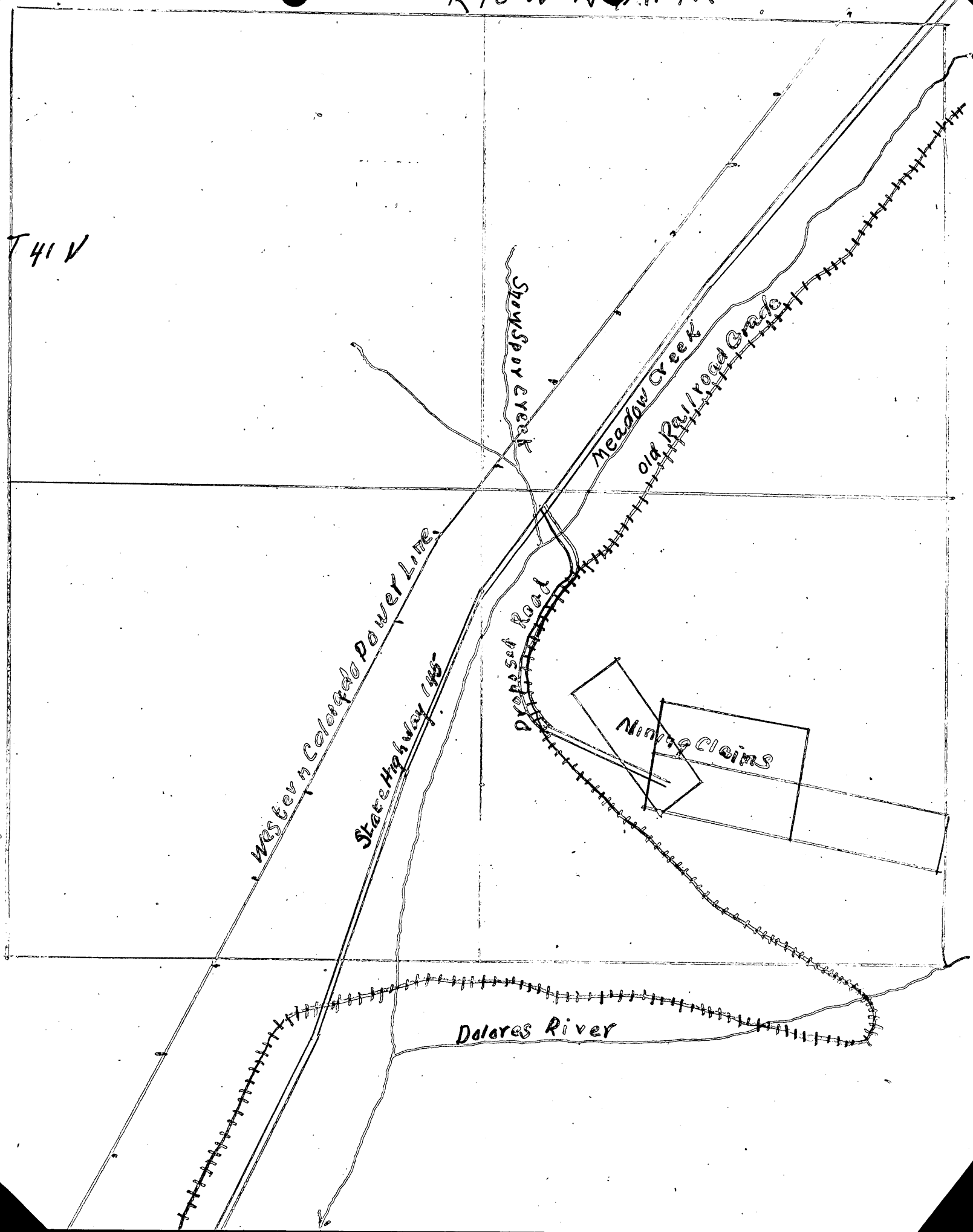
7(a) Yes.
(b) We are prepared to but up $750.00 in cash, Furnish $1500.00 in labor and $500. 00 in Equipment.

Robert Baer Jr, Cortez , Colorado
Alfred Baer Rico, Colorado
Harry E? Kauffman Rico, Colorado.

We would appreciate an examination of the property by a member of your office, but it would not be feasible to make such an examination before May 15 on account of the snow.
We would like to get started on the work early in June of this year.

R10W NMPM

T41N



DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
MAR 14 1955