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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 12 1953

Denied

August 11, 1953

Memorandum

To: Ernest Wm. Ellis, DMEA, Room 4640

From: E. J. Carlson, Rare and Precious Metals Branch

Subject: Field team report on Docket DMEA 2864, New York Mine, Saguache Co., Colorado

The field team report by C. M. Harrer and the review by W. M. Traver of the above-mentioned docket have been examined by this office.

There is no apparent evidence that rare-earth minerals, manganese, or lead exist in quantity on the property known as the New York Mine in the Kerber Creek Mining District, Saguache Co., Colo. It is recommended by this office that the application be denied.

The field report and a copy of this letter are being forwarded to the Minerals Division.

Signed

E. J. Carlson

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 12 1953

August 11, 1953

Memorandum

White, Geo.

To: Ernest Wm. Ellis, DMEA, Room 4640

From: E. J. Carlson, Rare and Precious Metals Branch

Subject: Field team report on Docket DMEA 2864, New York Mine, Saguache Co., Colorado

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E. J. Carlson

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
JUL 1953

224 New Customhouse
Denver 2, Colorado

July 15, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2864 (Platinum Group Metals-Manganese-Lead), George A. White, New York Mine, Saguache County, Colorado.

Enclosed are four copies of the final report on the subject docket, a copy of the letter of denial to the applicant and two copies of Form 3b.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

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

224 New Customhouse
Denver 2, Colorado

July 15, 1953.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2864 (Platinum Group Metals-Manganese-Lead), George A. White, New York Mine, Saguache County, Colorado.

Enclosed are four copies of the final report on the subject docket, a copy of the letter of denial to the applicant and two copies of Form 3b.

W. H. King
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

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

224 New Customhouse
Denver 2, Colorado

July 15, 1953.

Mr. George A. White
Route 1, Box 43
Carlsbad, New Mexico

Re: Docket DMEA-2864

Dear Mr. White:

Reference is made to your application for Government aid on the New York Mine.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Platinum Group Metals, Manganese, and Lead by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

W. H. King

W. H. King
Field Team, Region IV

A. H. Koschmann

A. H. Koschmann
Field Team, Region IV

HMC:cwm

cc: Administrator, DMEA
WMTraver
Subject
AHKoschmann (2)
Chron.

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

July 15, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 2864 (Rare Earths-Lead-Manganese), George A. White, New York Mine, Saguache County, Colorado.

Enclosed are eight copies of a memorandum report on the subject docket.

The applicant requested $6,404.00 for Stage 1 of a possible three stage exploration project which would ultimately have amounted to $71,404.00.

The engineer examiner found no visible evidence of strategic minerals and recommends that the application be denied.

We concur in this recommendation.

W. H. King
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 15, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2864 (Rare earths), George A. White, Applicant, (New York mine), Harber Creek Mining District, Saguache County, Colorado

Submitted herewith are the original and eight copies of a denial memorandum on the subject docket with which I concur.

The Geological Survey has submitted a denial based on geological grounds, and for that reason this memorandum is no doubt superfluous. However, as long as it was prepared, it is forwarded for your files as a matter of record. Sufficient copies are included for Washington in the event they are wanted.

The brochure submitted with your memorandum of February 9, 1953, instructing that a field examination be made, is returned herewith.

W. M. Traver

W. M. Traver

enclosures

cc 8
DMEA 2864
DMEA Chron.

REVIEWED BY
DMEA OPERATING COMMITTEE
7-24-53
(date)

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

200 New Customhouse
Denver 2, Colorado

June 26, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2864, New York Mine, Saguache County, Colorado.

Enclosed are 9 copies of the geologic report by D. R. MacLaren covering DMEA Docket 2864, New York Mine, Saguache County, Colorado.

The applicant proposes to explore for manganese, platinum group, and rare earth minerals by trenching at an estimated cost of $6,404.

MacLaren found no evidence to indicate the presence of significant amounts of any of the above minerals and recommends denial of the application for exploration assistance.

I concur in MacLaren's recommendation.

The brochure is enclosed.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (10)

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

NEW YORK MINE

SAGUACHE COUNTY, COLORADO

DMEA DOCKET 2864

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
7-24-53
(date)

NEW YORK MINE
SAGUACHE COUNTY, COLORADO

INTRODUCTION

George A. White of Carlsbad, New Mexico, has applied to the Defense Minerals Exploration Administration for assistance to explore for manganese, platinum group, and rare earth minerals on seven patented claims known as the New York mine, Saguache County, Colorado. The applicant proposes to explore by bulldozing trenches near old prospect pits at an estimated cost of $6,404.

The property was examined June 4, 1953, in the company of C. M. Harrer of the U. S. Bureau of Mines, and George A. White, the applicant.

It is concluded that there is no evidence to indicate the least possibility of discovering deposits of manganese, rare earth, platinum group, or any other metals in significant amounts, and that this is a poor prospect. It is recommended that this application be denied.

GEOLOGY

The geology of the area has been described by W. S. Burbank (1932). Lavas of Tertiary age rest unconformably upon a basement of pre-Cambrian metamorphic rocks and Paleozoic sedimentary rocks. Most of the known ore deposits are entirely within the Tertiary effusive rocks which comprise a series of lavas of andesitic, latitic, and rhyolitic composition, with associated breccias and tuffs. These rocks were extensively faulted and the resultant blocks were tilted in later Tertiary time.

North and east of the town of Bonanza there are three well defined mineral zones about half a mile to three quarters of a mile apart. Each zone starts in the vicinity of Kerber Creek and trends about N. 50° W. At the southwest end of the middle zone is the Cocomongo mine (fig. 2 in the engineering report). This is the nearest known ore deposit to the New York mine, but the Cocomongo vein which strikes about N. 55° W., and dips 43° NE., does not project into that property.

On the New York claims the rocks are latite and rhyolite flows of the Tertiary series. Several shallow location pits and one shaft, now inaccessible but said to be 200-300 feet deep, were examined. Neither in any of the pits nor on any of the dumps was there evidence of sulfide mineralization other than small cubes of pyrite disseminated throughout some of the rock fragments. No manganese was evident except as slight discoloration on joint faces. The dumps and pit walls were tested with a geiger counter, but no anomolies were observed. No evidence of veins was seen during a traverse over the claims.

CONCLUSIONS AND RECOMMENDATIONS

It is concluded that the New York claims are west of the known mineral belt, that they contain no apparent target for exploration, and that there is a poor chance of making a significant discovery of any ore body. Therefore, it is recommended that this application be denied.

REFERENCE

Burbank, W. S., Geology and ore deposits of the Bonanza mining district: U. S. Geol. Survey Prof. Paper 169, p. 166, 1932.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 15, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: C. M. Harrer

Subject: DMEA 2864 (Rare earths), George A. White, Applicant, (New York mine), Kerber Creek Mining District, Saguache County, Colorado

George A. White, whose address is Route 1, Box 43, Carlsbad, N. Mex., has applied for a Defense Minerals Exploration Administration loan of $71,404.00 to explore the New York group of patented mining claims for rare earths, platinum group metals, manganese, and lead with a three-phase program, including bulldozer stripping and trenching, underground development, and core drilling.

Claims under consideration are the New York lodes 1 through 5 and the Boston No. 1 lode, all under survey number 19975, and the Boston lode, survey number 2291. The subject claims are in secs. 23 and 24, T. 47 N., R. 7 E., New Mexico principal meridian (fig. 1), Kerber Creek Mining District, Saguache County, Colo., at altitudes ranging between 9,900 and 10,500 feet. They were purchased for taxes as a summer home. The tax titles are protected by quit claim deeds. Total area under consideration is 115.942 acres.

The property was investigated in the field by a Region IV Defense Minerals Exploration Administration examining team on June 4,

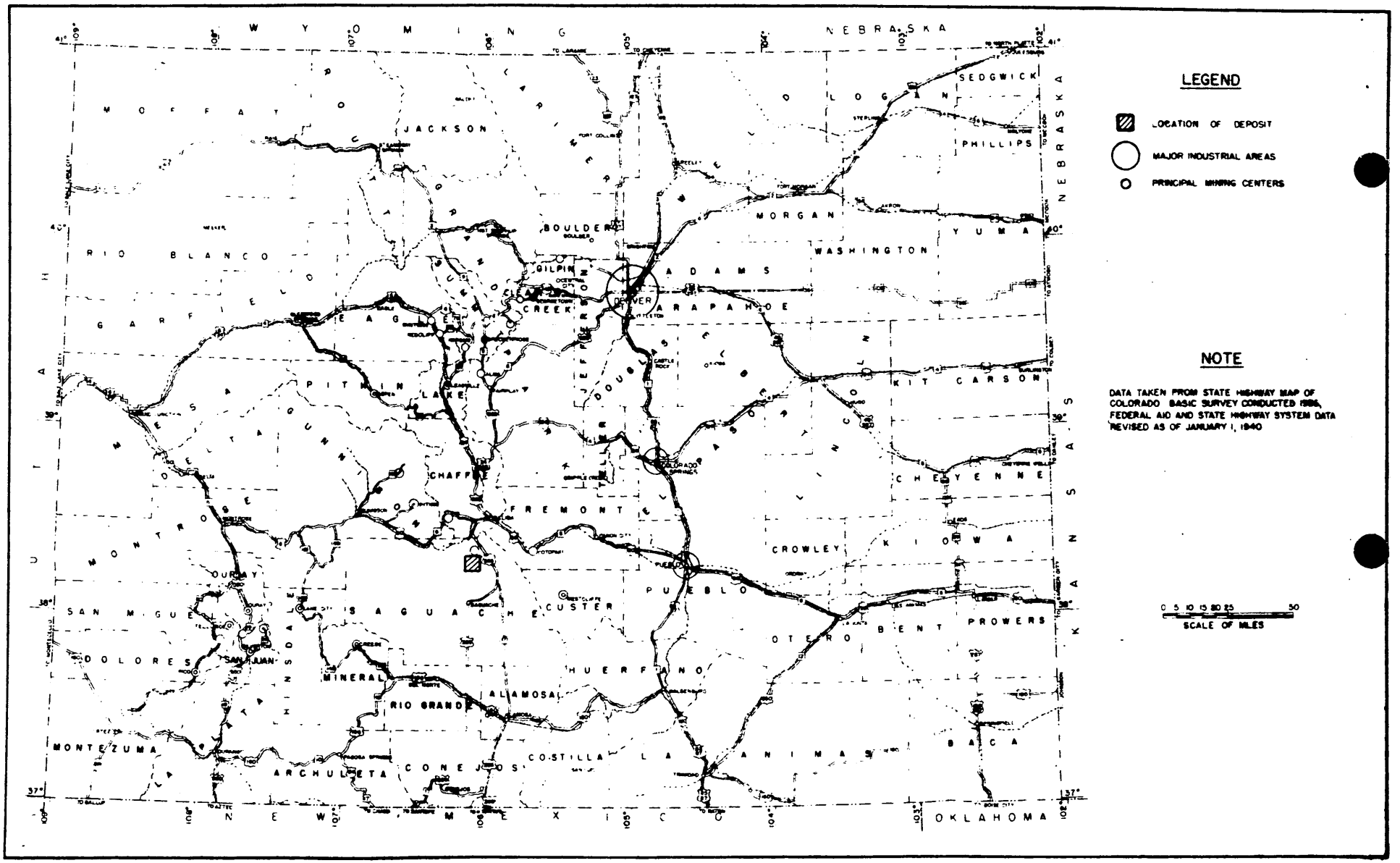

FIGURE 1. - LOCATION MAP, NEW YORK MINE, SAGUACHE COUNTY, COLO. (DMEA 2504).

1953. George A. White, owner and loan applicant, accompanied the examining team.

The proposed exploration for rare earths, platinum group metals, manganese, and lead is based on a romantic newpaper article which appeared in the December 13, 1951 issue of the "Saguache Crescent" and the proximity of the Cocomonga mine[1/].

The claims are in an area overlain by Tertiary rhyolite and latite extrusives, with several faults evident, as shown on figure 2. Contacts and faults were prospected with shallow pits, a short adit, and one shaft reported to be 200 to 300 feet deep. All underground workings are caved and inaccessible.

Reconnaissance of the property and examination of all exposures showed no indications of radioactivity above background count. There is no visible evidence of rare earths, platinum group metals, manganese, or lead occurrence on the property. Dumps and pits along contacts and faults exhibited only very meager pyritization.

The applicant's proposed exploration program is wildcat prospecting and has no merit. In consequence, it is recommended that George A. White's application for a three-phase Defense Minerals Exploration Administration loan of $71,404.00 be denied in entirety.

Floyd D. Everett
for
C. M. Harrer
Mining Engineer

cc 8, DMEA 2864, DMEA Chron.

1/ Burbank, W. S., and Henderson, C. W., Geology and Ore Deposits of the Bonanza Mining District, Colo., U. S. Geological Survey Prof. Paper 169.

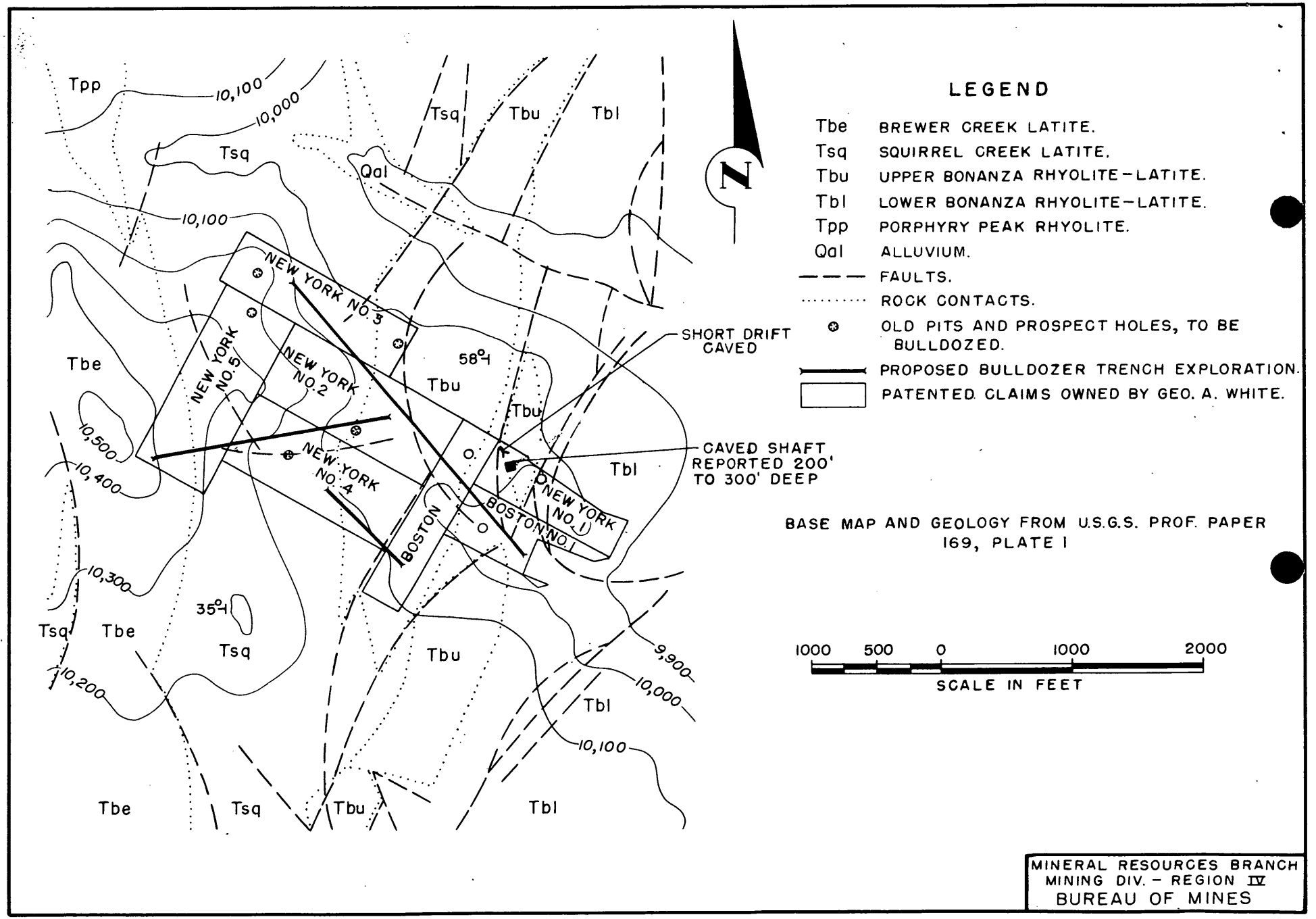

FIGURE 2 - GEOLOGIC AND EXPLORATION MAP, NEW YORK MINE, SAGUACHE COUNTY, COLO. (DMEA 2864)

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

COPY

224 New Customhouse
Denver 2, Colorado

July 15, 1953.

Mr. George A. White
Route 1, Box 43
Carlsbad, New Mexico

Re: Docket DMEA-2864

Dear Mr. White:

Reference is made to your application for Government aid on the New York Mine.

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

A careful study of your property and data available to this agency reveals that the probability of disclosing mineable reserves of Platinum Group Metals, Manganese, and Lead by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, we regret to advise that your application for exploration aid is denied.

Very truly yours,

/s/ W. H. King
Field Team, Region IV

/s/ A. H. Koschmann
Field Team, Region IV

HMC:cwm
cc: Administrator, DMEA
WMTraver
Subject
AHKoschmann (2)
Chron.

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

July 15, 1953.

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 864 (Rare Earths-Lead-Manganese), George A. White, New York Mine, Saguache County, Colorado.

Enclosed are eight copies of a memorandum report on the subject docket.

The applicant requested $6,404.00 for Stage 1 of a possible three stage exploration project which would ultimately have amounted to $71,404.00.

The engineer examiner found no visible evidence of strategic minerals and recommends that the application be denied.

We concur in this recommendation.

W. H. King
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 15, 1953

Memorandum

To: Executive Officer, Field Team, Region IV

From: Chief, Mineral Resources Branch, Mining Division, Region IV

Subject: DMEA 2864 (Rare earths), George A. White, Applicant, (New York mine), Kerber Creek Mining District, Saguache County, Colorado

Submitted herewith are the original and eight copies of a denial memorandum on the subject docket with which I concur.

The Geological Survey has submitted a denial based on geological grounds, and for that reason this memorandum is no doubt superfluous. However, as long as it was prepared, it is forwarded for your files as a matter of record. Sufficient copies are included for Washington in the event they are wanted.

The brochure submitted with your memorandum of February 9, 1953, instructing that a field examination be made, is returned herewith.

W. M. Trever

W. M. Trever

enclosures

cc
DMEA 2864
DMEA Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
Denver 2, Colorado

June 26, 1953

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2064, New York Mine, Saguache County, Colorado.

Enclosed are 9 copies of the geologic report by D. R. MacLaren covering DMEA Docket 2064, New York Mine, Saguache County, Colorado.

The applicant proposes to explore for manganese, platinum group, and rare earth minerals by trenching at an estimated cost of $6,404.

MacLaren found no evidence to indicate the presence of significant amounts of any of the above minerals and recommends denial of the application for exploration assistance.

I concur in MacLaren's recommendation.

The brochure is enclosed.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (10)

NEW YORK MINE

SAGUACHE COUNTY, COLORADO

DMEA DOCKET 2864

Geologic Report

By D. R. MacLaren
U. S. Geological Survey

NEW YORK MINE
SAGUACHE COUNTY, COLORADO

INTRODUCTION

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The property was examined June 4, 1953, in the company of C. M. Harrer of the U. S. Bureau of Mines, and George A. White, the applicant.

It is concluded that there is no evidence to indicate the least possibility of discovering deposits of manganese, rare earth, platinum group, or any other metals in significant amounts, and that this is a poor prospect. It is recommended that this application be denied.

GEOLOGY

The geology of the area has been described by W. S. Burbank (1932). Lavas of Tertiary age rest unconformably upon a basement of pre-Cambrian metamorphic rocks and Paleozoic sedimentary rocks. Most of the known ore deposits are entirely within the Tertiary effusive rocks which comprise a series of lavas of andesitic, latitic, and rhyolitic composition, with associated breccias and tuffs. These rocks were extensively faulted and the resultant blocks were tilted in later Tertiary time.

North and east of the town of Bonanza there are three well defined mineral zones about half a mile to three quarters of a mile apart. Each zone starts in the vicinity of Kerber Creek and trends about N. 50° W. At the southwest end of the middle zone is the Cocomongo mine (fig. 2 in the engineering report). This is the nearest known ore deposit to the New York mine, but the Cocomongo vein which strikes about N. 55° W., and dips 43° NE., does not project into that property.

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CONCLUSIONS AND RECOMMENDATIONS

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 14, Colorado
June 15, 1953

Memorandum

To: Chief, Mineral Resources Branch, Mining Division, Region IV

From: C. M. Harrer

Subject: DMEA 2864 (Rare earths), George A. White, Applicant, (New York mine), Kerber Creek Mining District, Saguache County, Colorado

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Claims under consideration are the New York lodes 1 through 5 and the Boston No. 1 lode, all under survey number 19975, and the Boston lode, survey number 2291. The subject claims are in secs. 23 and 24, T. 47 N., R. 7 E., New Mexico principal meridian (fig. 1), Kerber Creek Mining District, Saguache County, Colo., at altitudes ranging between 9,900 and 10,500 feet. They were purchased for taxes as a summer home. The tax titles are protected by quit claim deeds. Total area under consideration is 115.942 acres.

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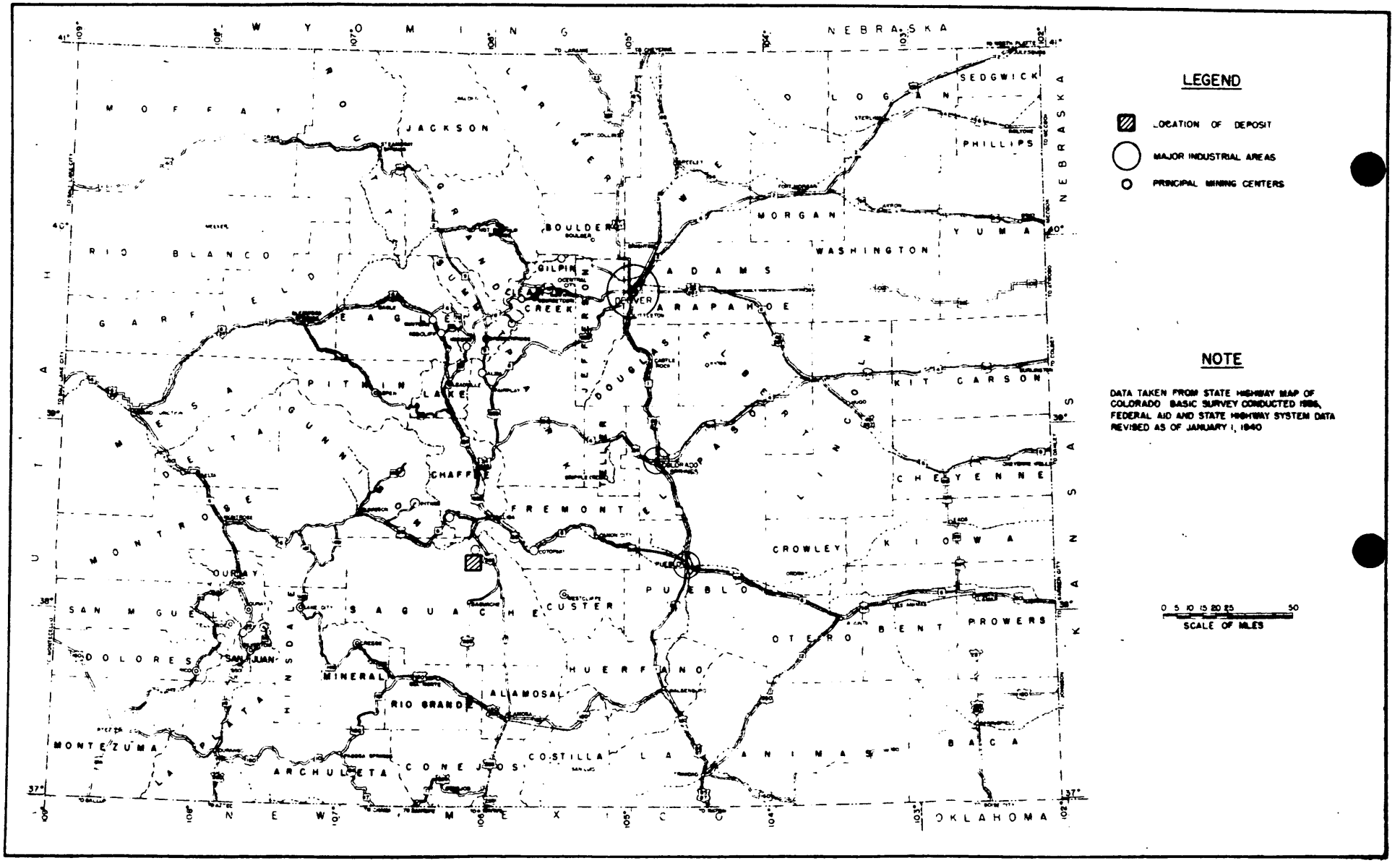

FIGURE 1. - LOCATION MAP, NEW YORK MINE, SAGUACHE COUNTY, COLO. (DMEA 2364).

1953. George A. White, owner and loan applicant, accompanied the examining team.

The proposed exploration for rare earths, platinum group metals, manganese, and lead is based on a romantic newspaper article which appeared in the December 13, 1951 issue of the "Saguache Crescent" and the proximity of the Cocomonga mine[1/].

The claims are in an area overlain by Tertiary rhyolite and latite extrusives, with several faults evident, as shown on figure 2. Contacts and faults were prospected with shallow pits, a short adit, and one shaft reported to be 200 to 300 feet deep. All underground workings are caved and inaccessible.

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The applicant's proposed exploration program is wildcat prospecting and has no merit. In consequence, it is recommended that George A. White's application for a three-phase Defense Minerals Exploration Administration loan of $71,404.00 be denied in entirety.

Floyd N. Everett
for
C. M. Harrer
Mining Engineer

cc 8, DMEA 2864, DMEA Chron.

1/ Burbank, W. S., and Henderson, C. W., Geology and Ore Deposits of the Bonanza Mining District, Colo., U. S. Geological Survey Prof. Paper 169.

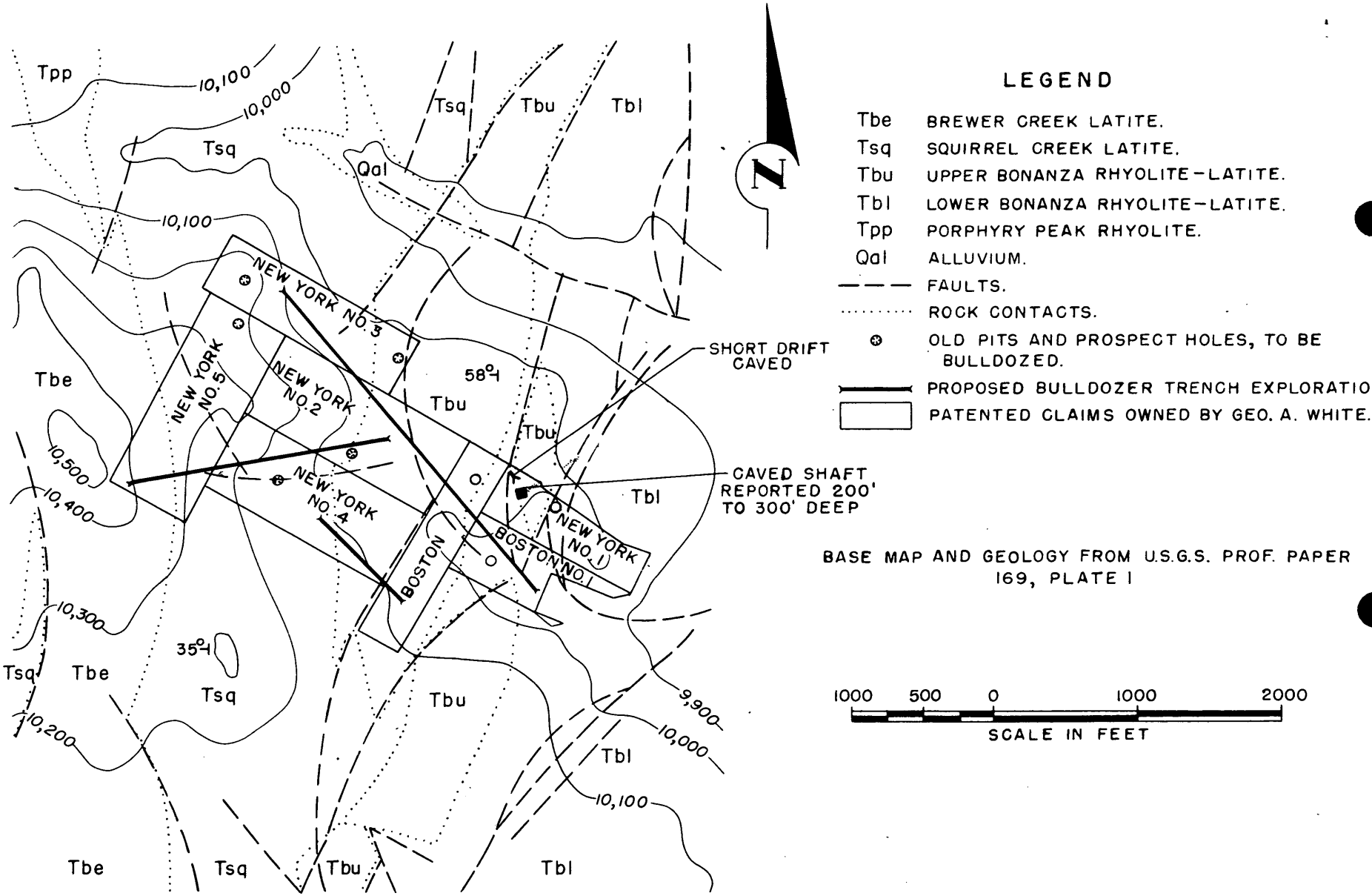

FIGURE 2 - GEOLOGIC AND EXPLORATION MAP, NEW YORK MINE, SAGUACHE COUNTY, COLO. (DMEA 2864)

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

January 23, 1953

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 200

From: Executive Officer, Field Team, Region IV

Subject: Docketing for Exploration Assistance

Enclosed herewith in duplicate is DMA Form 3a and Form NF-103 in duplicate and supporting data pertaining to the following applications for Government assistance in exploration work:

George A. White
Route 1 - Box 43
Carlsbad, New Mexico dmea 2864

Bruce E. Swartout
Box 204
McNary, Arizona dmea 2865

W. H. King
W. H. King

Enclosures

MF-103
(Revised April 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
FEB 2 1953

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. dmea 2864
Metal or Mineral
Date Received 2-2-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

George A. White
Route 1, Box 43
Carlsbad, New Mexico

(*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 New York #1, New York #2, New York #3, New York #4, New York #5 and Boston #1 Lodes, Patent Surv. #19975, and the Boston Lode, Patent Surv. #2291, in the Kerber Creek Mining District, Saguache County, Colorado.

(*b*) State any mine name by which the property is known. The New York Mine.

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

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

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

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

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

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

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

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

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

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore rare-earth ores, platinum group metals, manganese, 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 90 days and be completed within 4 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. none

(*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. none

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

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

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

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

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

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

Explain in detail on accompanying 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 January 21, 1953

George A. White
(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.

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4. Physical description.

(a) Old workings consist of several prospect shafts and one crosscut, all caved and inaccessible.

(b) Past and current production is none.

(c) Geologic features. The Kerber Creek District is a contradiction. Geologic theory fails us in the great conglomerate of mineral content found in the area. There are crinoid stems, Pennsylvania flora and shells in the fossil lime. There is shale and coal and lime. The chalcedony family yields agate, opal, opalite, jasper, and there is chert, flint, etc. The manganese family yields rhodochrosite, rhodonite, manganite, pyrolusite, alabanite and psilomelane. Silvers, native, brittle and wire. Gold of course, never comes entirely pure but it is found nearly so in its native form, the tellurides, sylvanites and a rare emporsite. The copper family yields bornite, chalcopyrite, malachite, azurite, copper sulphate, tetrahedrite, native and wood copper. There is fluorescent dolomite and several kinds of calcite. There is serpentine, olivine, horneblende, etc. There is iron pyrite, magnetite, hematite and black magnetic iron sand. Granite, feldspar, biotite, muscovite and vermiculite. Andesite porphyry, rhyolite, perlite, siderite and sphalerite. There is quartz and quartzite. There is galena, carbonate, cerussite, and oxide of lead. Illium, rutile and even platinum. Green, purple and white fluorite. Amethyst and radioactive trachite, a basalt that is usually rare in Colorado, and many, many other types of mineral.

The property is on the east slope of the divide, in the foothills region. Fissure-vein gossans are common, but outcrops are concealed by a few feet of light sub-soil and a rich top-soil and humus. A good growth of pine, fir and aspen is present.

Platinum and rare-earth minerals are included in this application because they have been reported in the district. The chances of finding manganese ores or lead ores are better, but exploratory and analytical work should include the rare metals.

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4. (d) Access roads skirt the property. Bonanza (about 50 people) is a mile and a half away. A good gravel road connects with the paved highway (U.S. 285) at Villa Grove, a distance of 15 miles from Bonanza, and 60 miles from Leadville, Colorado.

(e) Manpower, materials, supplies, equipment, water and power are readily available. There is a sub-station of the Colorado Public Service Company at the Cocomongo Mine, a distance of about 2,000 feet from the property.

There is no store or gasoline filling station in Bonanza, but there is a phone at the residence of Mr. W. J. Costello who is the local representative of the Public Service Company of Colorado besides being the operator of the Rawley Mine at Bonanza.

5. (b) The exploration is planned in three steps:

1. Bulldozing operations near old prospect shafts to expose the formation for surface sampling and analytical work. The estimated cost is $6,404.

2. The second step (not included in this application) will consist of shafts and drifts at favorable locations as determined by the original surface exploration. The probable cost is $50,000.

3. The final step will be core drilling to determine the extent of ore found. Estimated cost is $15,000.

(d) Operating experience and background of applicant.

Born at Springfield, Illinois in 1909.
Graduate of the New Mexico School of Mines.
Registered Professional Engineer and Land Surveyor in N. M.
Member, A.I.M.E.

Present position, mining engineer, U. S. Potash Company, Carlsbad, New Mexico, since 1945. Formerly was project engineer for Permanente Metals Corporation in California. Prior to this did surveying, mapping and mining in New Mexico and Colorado. Earned salary in 1952 was $7,026.

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5. (d) Cont'd. Applicant, George A. White, will supervise the operations in addition to managing the exploration project on the following basis: Mr. White will spend 15 days in the field (on leave by present employers) and supervise contract work, surveying and sampling at $30 per day. For the remaining 3½ months of the contract he will compile and map laboratory results for a part time salary of $200 per month.

Consulting work will be done by Franklin E. Johnson who formerly had a mining consulting office in Manilla, P.I., and is now located at Carlsbad, N. M. Mr. Johnson will do 10 days field work at $50 per day and will prepare the final report required (office work $100).

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6. (a) Independent Contracts.

Bulldozing operations Including dozer, operator, fuel and all incidentals:	Est. Cost
80 hrs. at $9 per hour	$720
Moving dozer in and out	150
Total dozer contract	$870

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6. (b) Labor, supervision, consultants.	Est. Cost
Supervision	
15 days at $30	$450
3½ months at $200	700
Total supervision	$1150
Consultant	
10 days at $50	$500
Office work 4 days at $25	100
Total consultant	$600
Labor	
Truck driver, axemen, survey helpers, and samplers - 400 hrs at $1.50	$600
Camp cook - 15 days at $9 per day	135
Total labor	$735

Contract work not included in above.

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6. (c) Operating materials and supplies.

Tools and misc. equipment less than $50	Est. Cost
3 shovels, 3 picks, 3 axes, 1 saw Each about $4	$40
Camp supplies for crew Groceries, pans, stove, etc.	200
Fuel, lights, water	20
Surveying supplies (stakes, etc.)	50
Office and drafting supplies (paper, books, etc.)	50
Gas and oil	100
Sample sacks and supplies	30
M-12 Blacklight	36
M-108 Geiger counter	25
Brunton compass	48
Pocket spectroscope	12
Total supplies	$611

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6. (d) Operating equipment. Est. Cost

Bulldozer to be furnished by contractor under independent contract.

Equipment rental

Truck or jeep for rough country 40 hrs at $3 per hour	$120
Transit rental - 2 wks at $15	30
Total equipment rental	$150

Equipment purchase over $50 - none.

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6. (g) Misc.	Est. Cost
Equipment repairs and maintenance - none	
Analytical work at established houses at regular rates	$1200
Workmens compensation, liability insurance and payroll taxes	100
Postage and express	75
Telephone and telegraph	50
Accounting	75
Total misc.	$1500

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6. (h) Contingencies.	Est. Cost
Expense allowance for Mr. White	
$8 per day for 15 days	$120
Car mileage - 2400 miles at .08	192
Expense allowance for Mr. Johnson	
$8 per day for 10 days	80
Car mileage - 1200 miles at .08	96
Overruns	300
Total contingencies	$788

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7. (b) Applicant's share of costs.

Project Summary

Item	Description	Est. Cost
6. (a)	Independent contracts	$870
6. (b)	Labor, supervision, consultants	2485
6. (c)	Operating materials and supplies	611
6. (d)	Equipment rental	150
6. (g)	Misc.	1500
6. (h)	Contingencies	788
	Total project	$6404

Govt. share		Amount
Platinum group metals	90%	
Rare-earth ores	90%	
Manganese	75%	
Lead	50%	
Average govt. share	76.25%	$4883.05
Applicant's share	23.75%	1520.95
Total	100.00	$6404.00

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