IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4630

Application (Denied ✓
(~~Withdrawn~~
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) ✓ Envelope for maps

Right Side

Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

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

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 8 1957

DATE	INITIALS	CODE

224 New Customhouse
Denver 2, Colorado

February 5, 1957

Memorandum

To: Secretary Operating Committee

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for DMEA Aid (Lead-Zinc-Copper-Silver) Pyramid Mining and Metal Corp. (Big 3, White Cloud, Ruth and Owl Groups) Hidalgo County, New Mexico

Enclosed are the original and two copies of the subject application in the amount of $58,800.00. One copy is being retained in the Denver office files.

The applicant proposes 8,800 feet of core drill at $6.50 unsupported by bids. Otherwise the application is probably adequate for field referral after Washington review.

W. M. Traver

W. M. Traver

Enclosures

JAMES W. WITHERSPOON
ATTORNEY-AT-LAW
P. O. BOX 473
HEREFORD, TEXAS

JOHN D. AIKIN
WAYNE E. THOMAS
EARNEST L. LANGLEY
MEL RUTH AIKIN
ASSOCIATES

DMEA
DEPARTMENT OF THE INTERIOR
JAN 28 1957
REGION III
DENVER, COLORADO

January 16, 1957

TELEPHONE 1100

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 8 1957
DATE | INITIALS | CODE

Department of Interior
Defense Minerals Exploration Administration
224 New Customhouse
Denver 2, Colorado

Attention: E. N. Harshman
Acting Executive Officer, DMEA
Field Team, Region III

Re: Application- Pyramid Mining and Metal Corporation

Dear Sir:

Please find enclosed herewith application ~~in triplicate~~ quadruplicate with all the supporting documents fully completed and executed by the Pyramid Mining and Metal Corporation by its president J. Roy McCoy of 508 Great Plains Life Building, Lubbock, Texas.

Mr. J. Roy McCoy is a geologist himself. He is a graduate of the University of Oklahoma and has had a number of years of experience having worked for Phillips Petroleum Company for approximately ten years. Although Mr. McCoy's report is not attached to the application, he is the controlling officer of the corporation, and I am sure you are acquainted with the reputation of Mr. Kirchman who has made the engineering and geological report for the company. Mr. McCoy's study, analysis and report of these properties is exceedingly good.

Mr. McCoy would be happy to meet with your geologist or engineer on the ground at any time, and I trust that you can process this application as quickly as possible as Mr. McCoy and the corporationdoes want to get to work on this property as soon as possible, and they need your help and assistance.

You will note that the properties have already been cored to a depth of in excess of 400 feet, that is each of the three main sets of claims, and that in addition to the out-croppings on the surface of the ground, these corings show what you would expect, that is an increase in mineralization, and the fact that this is in a very fine mining area with good copper mines close by would indicate that the property could be very valuable and could certainly be further explored and developed, which the corporation desires to do as speedily as possible.

Thanking you to please give the enclosed application your immediate attention and to advise Mr. J. Roy McCoy as well as ourselves, we are

Yours very truly,

James W. Witherspoon

James W. Witherspoon

JWW/rs
Encl.

CC: J. Roy McCoy

(Please return all maps, forms, and reports when they have served your purpose)

PYRAMID MINING & METAL CORPORATION
508 GREAT PLAINS BUILDING
LUBBOCK, TEXAS

RECEIVED FEB 8 1957 D.M.E.A.

(b) Pyramid Mining & Metal Corporation is a corporation incorporated within the State of Texas.

(c) J. Roy McCoy, President, 508 Great Plains Building, Lubbock, Texas.
J. O. Wood, Vice-President, 508 Great Plains Building, Lubbock, Texas.
Ransom Galloway, Secty. 508 Great Plains Building, Lubbock, Texas.

(d) Not a partnership.

3.

(a) These four (4) groups of claims are contained within Sections 23, 24, 25, and 26, Township 23 South, Range 19W, and partially in Sections 19 and 30, Range 18W, Township 23 South.

THE OWL:

THE GOLD PAN, an unpatented lode mining claim, recorded in Book 1, Page 423, of the Hidalgo County Mining Records.

THE HIDALGO, an unpatented lode mining claim, recorded in Book 1, Page 628, of the Hidalgo County Mining Records.

THE OWL, an unpatented lode mining claim, recorded in Book 1, Page 629, of the Hidalgo County Mining Records.

THE LUCKY BOY, an unpatented lode mining claim, recorded in Book 3, Page 113, of the Hidalgo County Mining Records.

THE BADGER, an unpatented lode mining claim, recorded in Book 2, Page 11, of the Hidalgo County Mining Records.

THE WASHINGTON, an unpatented lode mining claim, recorded in Book 2, Page 63, of the Hidalgo County Mining Records.

THE EVENING STAR, an unpatented lode mining claim, recorded in Book 2, Page 367, of the Hidalgo County Mining Records.

THE ANACONDA, an unpatented lode mining claim, recorded in Book 2, Page 458, of the Hidalgo County Mining Records.

THE BLUE BELL, an unpatented lode mining claim, recorded in Book 2, Page 616, of the Hidalgo County Mining Records.

THE YELLOW ASTER, an unpatented lode mining claim, recorded in Book 2, Page 616 of the Hidalgo County Mining Records.

THE GREAT EASTERN, an unpatented lode mining claim, recorded in Book 3, Page 40, of the Hidalgo County Mining Records.

THE LUCKY BOY #2, an unpatented lode mining claim, recorded in Book 1, Page 453, of the Hidalgo County Mining Records.

THE DOMINGO, an unpatented lode mining claim, recorded in Book 1, Page 423, of the Hidalgo County Mining Records.

THE GRAND VIEW, an unpatented lode mining claim, recorded in Book 3, Page 114, of the Hidalgo County Mining Records.

(Continued on Page 2)

THE BIG THREE:

BIG THREE #1, an unpatented lode mining claim, recorded in Book 3, Page 28, of the Hidalgo County Mining Records.

BIG THREE #2, an unpatented lode mining claim, recorded in Book 3, Page 28, of the Hidalgo County Mining Records.

BIG THREE #3, an unpatented lode mining claim, recorded in Book 3, Page 27, of the Hidalgo County Mining Records.

BIG THREE #4, an unpatented lode mining claim, recorded in Book 3, Page 27, of the Hidalgo County Mining Records.

BIG THREE #5, an unpatented lode mining claim, recorded in Book 3, Pages 26 and 27, of the Hidalgo County Mining Records.

BIG THREE #6, an unpatented lode mining claim, recorded in Book 3, Page 26, of the Hidalgo County Mining Records.

BIG RHEE #7, an unpatented lode mining claim, recorded in Book 3, Pages 163 and 164, of the Hidalgo County Mining Records.

WHITE CLOUD:

WHITE CLOUD #1, an unpatented lode mining claim, recorded in Book 3, Page 155, of the Hidalgo County Mining Records.

WHITE CLOUD #2, an unpatented lode mining claim, recorded in Book 3, Page 155, of the Hidalgo County Mining Records.

WHITE CLOUD #3, an unpatented lode mining claim, recorded in Book 3, Page 169, of the Hidalgo County Mining Records.

WHITE CLOUD #4, an unpatented lode mining claim, recorded in Book 3, Page 200, of the Hidalgo County Mining Records.

(b) One of these claims was operated under the name of the "OWL." Another was operated under the name of the "RUTH." Book 4 Pge 134

RUTH #2, recorded in Book 4, Page 134-5, of the Hidalgo County Mining Records.

RUTH EXTENSION, recorded in Book 4, Page 135, of the Hidalgo County Mining Records.

(c) The above group has a lease with option to purchase the above group of claims.

(d) The Base Leases & Final title opinion is enclosed

(e) An Ore payment as shown in Base Leases is all

(f) The entire list of claims and recording data have been listed under 3a above.

4.

(a) The RUTH group of claims has a shaft 370 Feet deep, and some mining has been done, and some ore shipped over a several year period, but the information as to the amount is not available.

The OWL has a shaft 160 Feet deep, and some development ore has been shipped from this shaft, but further information is not available. We had no interest in either of the above operations. These shafts are open and might be examined.

(b) We do not know, and have no way of finding out how much past production there is.

(c) Please find enclosed two (2) Geologist's reports, describing the geological features and other pertinent data.

(d) All of these claims are easily accessible in any type car, and they are accessible the year round.
It is only four (4) miles to Lordsburg townsite, and about three (3) miles to a railroad. There are supply stores in Silver City, about fifty (50) miles away. There are plenty of miners available in Lordsburg.

(e) Man power is available, and materials, supplies, and equipment can be easily obtained from Silver City or El Paso. Water is available in the shafts, and electric power is only about 3,000 feet away.

5.

(a) This area is a large producer of copper ore. In the copper ore will also be found gold, silver, lead, and zinc.

(b) Please find enclosed a plat of the claims, and showing the location of the proposed core holes.**

(c) The work will be started within sixty (60) days. The completion date is uncertain but the work will be done as fast as the core machines can finish the job.

(d) The President of Pyramid is a graduate geologist, and has had some fourteen (14) years experience as a geologist. The immediate supervision of the work will be done by consulting geologists who are familiar with the area.

** 5b: The undersigned company proposes to do some core drilling down to a vertical depth of about 800 Feet. This will require a depth of 1100 Feet when drilled, at a 55° angle. We would like to drill two core holes along the strike of the veins on each of the above groups of claims. The proposed depth was decided in order to cut the veins down in the sulphide zone. The veins are exposed at the surface, and the history of the area is such that tremendous ore bodies should be established by the above coring. This work probably will be contracted out to drilling contractor.

6.

(a) Core drilling will probably be done by independent contractor. The core drilling will cost $6.50 per foot. The total footage should be 8800 Feet of hole. This should make a total cost of the core drilling $57,200.00.

(b) Consulting fees are estimated at $1,200.00.

(c) Core Boxes: $400.00.

(d) No equipment needed.

(e) No rehabilitation.

(f) No buildings.

(g) No miscellaneous.

(h) No contingency.

7.

(a) We are prepared to pay our part of the costs.

(b) Money

MF-103
(Revised April 1952)

DMEA

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

FEB 4 1957
REGION III
DENVER, COLORADO

RECEIVED 8 1957 D.M.E.A.

JAN 28 1957
DENVER COLORADO

Not to be filled in by applicant

Docket No. DMEA 4630
Metal or Mineral Lead-Zinc-Copper/Silver
Date Received 2-8-57
Estimated Cost $58,800.00
Participation (Government %)

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

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: _____

(*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 _____

(*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 _____

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

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

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

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

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

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

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

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

(c) The work will start within ..... days and be completed within ..... 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 & [K] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated January 16, 1957

Pyramid Mining and Metal Corporation
(Applicant)

By J. Roy McCoy
President

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

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

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
6/3	Transmitted	60
		110
"	Mittendorf	100
6/4		220
		225

JUN - 4 1957

Mr. J. Roy McCoy, President
Pyramid Mining & Metal Corporation
508 Great Plains Building
Lubbock, Texas

Re: Docket No. DMEA-4630 (Lead-Zinc-Copper)
Pyramid Mining & Metal Corporation
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Dear Mr. McCoy:

We have your letter of May 24, covering the cited project. The material which you request be returned has already been forwarded (May 13, 1957) to Mr. James W. Witherspoon at Hereford, Texas. This was in compliance with his request in his January 16, 1957 letter.

If you wish to discuss the project at the Tucson office, you could get in touch with Mr. Romslo, Bureau of Mines, and Mr. J. N. Faick, United States Geological Survey.

Sincerely yours,

G. O. Mittendorf

Administrator

WRGriswold/er 6/3/57
Copy to:
Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

8623

PYRAMID MINING & METAL CORPORATION
508 GREAT PLAINS LIFE BLDG.
LUBBOCK, TEXAS
OFFICE PHONE
PO 3-1967

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 28 1957

DATE	INITIALS	CODE
5/27	C	~~7~~ 220
5/27	WRH	500
		225

May 24, 1957

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

Re: Docket No. DMEA-4630 (Lead-Zinc-copper)
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Attention: Mr. Mettendorf

Dear sir:

We have received your letter of May 13, 1957, turning down our application for core drilling on the above numbered prospect. Would you please return the geological reports, title opinions, and other information which was submitted to you.

If it would be possible to do so, we would still like to make an exploration project of this property but approach it from a different angle, geologically. Could you give me the names of your Geologists and Engineers at Tucson so that we might discuss a different approach to this exploration.

It might save lots of time on your part, if we could discuss this with them prior to the submittal of the approach. In the event the different approach would be more agreeable to them, since they are already familiar with the property, then we could submit a program, which would be acceptable or drop the entire matter without going through the long process of consuming time and money of the Department of the Interior.

Sincerely,

PYRAMID MINING & METAL CORPORATION

J. Roy McCoy

By: J. Roy McCoy
President

JRM:vb

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/9	[illegible]	500
5/10	[illegible]	130
	[illegible]	
	[illegible]	
5/10	[illegible]	110
"	[illegible]	100
		225

MAY 13 1957

Mr. J. Roy McCoy, President
Pyramid Mining & Metal Corporation
508 Great Plains Building
Lubbock, Texas

Re: Docket No. DMEA-4630 (Lead-Zinc-Copper)
Pyramid Mining & Metal Corporation
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Dear Mr. McCoy:

Your application for aid for an exploration project and other data available to us in Washington concerning your application 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 lead-zinc ore on your property, indicates to us that the probability of disclosing significant ore reserves 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,

G. O. Mittendorf

Administrator

WRGriswold/er 5/9/57
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Mr. James W. Witherspoon
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5/9	Brown	500
5/10	Selfridge	130
	Yopes	
	Kilsgaard	
5/10	Johnson	110
	Mittendorf	100
		225

MAY 13 1957

Mr. James W. Witherspoon
Post Office Box 473
Hereford, Texas

Re: Docket No. DMEA-4630 (Lead-Zinc-Copper)
Pyramid Mining & Metal Corporation
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Dear Mr. Witherspoon:

With reference to your letter of January 16, 1957, transmitting the cited application, we are enclosing a copy of our letter to Mr. J. Roy McCoy on this subject.

As requested in your letter we are returning all maps, leases and reports which were submitted to us. Such enclosures are:

1 Claim map entitled "Baldwin Group of Lode Claims".
1 "Mining Lease with Option to Purchase" dated February 22, 1956
1 "Mining Lease with Option to Purchase" dated February 23, 1956
1 "Mining Lease with Option to Purchase" dated March 6, 1956
1 "Agreement of Lease and Option to Purchase" dated October 10, 1956
1 Report by R. I. Kirchman dated May 26, 1956
1 Report by R. I. Kirchman dated September 11, 1956
1 Report by I. M. Smalley dated December 15, 1956

Sincerely yours,

C. O. Mittendorf (fw)

Administrator
WRGriswold/er 5/9/57
Copy to: Docket
Admr R File
Op. Committee
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

Enclosures

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

May 9, 1957

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-4630, Pyramid Mining and Metal Corporation, Big 3, White Cloud, Ruth and Owl Groups of Claims, Hidalgo County, New Mexico, (Lead-Zinc-Copper)

In essence, the application deals with small lead-zinc ore shoots in narrow quartz veins in the Lordsburg, New Mexico area. The principal mine has been opened by shaft to a 300-foot depth, with three levels, each about 300 feet long. Small ore lenses have been mined, of generally low to medium grade; maybe a few thousand tons in all.

Some work has also been done on other claims. It seems obvious that the property has been well tested and there is no expectancy of anything but "small potatoes".

W. R. Griswold

Copy to: Docket
Admr R File
Chron.

8623

IN REPLY REFER TO:

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 7 1957

DATE	INITIALS	CODE
5/8	JWS	220
		500

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

May 7, 1957

Re: DMEA 4630
Pyramid Mining and Metal Corp.
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico
$58,800.00 - Lead-zinc-copper

Memorandum

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

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

Subject: Review of Field Team Report.

The applicant requested assistance in prospecting by deep drilling for possible extensions of narrow quartz veins, the idea being that at depth the veins will contain more ore than they do at and near surface.

The examiners found the known veins have been rather well explored and developed and most of the ore, not large in quantity, probably has been mined out.

The examiners conclude "the deposits appear to be too small to justify Government participation in exploration" and recommend that the application be denied.

I concur with the conclusions and the recommendation.

N. E. Nelson

N. E. Nelson

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

OFFICIAL FILE COPY
DMEA
RECEIVED APR 29 1957

DATE	INITIALS	CODE
4/29	C	220
4/29	WRG.	500

April 26, 1957

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Examination Report, Docket No. DMEA 4360 (Lead-Zinc-Copper), Pyramid Mining and Metal Corporation, Big 3-White Cloud - Ruth - Owl groups of claims, Hidalgo County, New Mexico

The examination reveals the existence of a number of narrow quartz veins containing varying amounts of galena, sphalerite and chalcopyrite. However, the examiners conclude that the deposits appear too small to justify Government participation in exploration and recommend denial of the application.

I concur with their recommendation.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U. S. G. S.
F. D. Lamb
F i l e s

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

April 17, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED APR 22 1957

DATE	INITIALS	CODE
4/22	C	220
		130
4/26	C	220
~~4/29~~	~~KRG.~~	500
DMEA		

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA-4630 (Lead-Zinc-Copper) Pyramid Mining & Metal Corporation (Big 3, White Cloud, Ruth and Owl Groups of Claims) Hidalgo County, New Mexico

Enclosed are the original and three copies of a Joint Report of Examination by T. M. Romslo, USBM, and J. N. Faick, USGS.

The field examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly, they recommend that the application be denied, to which the Field Team concurs.

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
4-26-57
(date)

DMEA
DEPARTMENT OF THE INTERIOR
APR 16 1957
REGION III
DENVER, COLORADO

Box 4126 University Station
Tucson, Arizona

April 10, 1957

Memorandum

To: E. N. Harshman, Acting Executive Officer, EMH
DMEA Field Team, Region III

From: T. M. Romslo
J. N. Faick

Through: W. R. Storms
W. L. Emerick WLE

Subject: Docket DMEA 4630 (Lead-Zinc-Copper)
Pyramid Mining and Metal Corporation
(Big 3, White Cloud, Ruth and Owl groups of claims)
Hidalgo County, New Mexico

Enclosed are the original and 8 copies of a joint field examination report on the above docket, recommending denial of the application.

Also enclosed are the Bureau of Mines and Survey copies of the application.

T. M. Romslo, Mining Engineer
U. S. Bureau of Mines

J. N. Faick, Geologist
U. S. Geological Survey

WLE:ms

cc: Acting Executive Officer (8)
Harshman
Storms
King
Emerick

TRANSMITTED

APR 18 1957

Reviewed by
DMEA OPERATING COMMITTEE
4-26-57
(date)

FOR UNITED STATES GOVERNMENT USE ONLY

DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

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RECEIVED APR 22 1957

DATE	INITIALS	CODE
		130
		220

DMEA-4630 (Lead-Zinc-Copper) Pyramid Mining & Metal Corporation

(Big 3, White Cloud, Ruth and Owl Groups of Claims)

Hidalgo County, New Mexico

TRANSMITTED
APR 18 1957

T. M. Romslo, Mining Engineer
U. S. Bureau of Mines

J. N. Faick, Geologist
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
4-26-57
(date).

April 10, 1957

SUMMARY, CONCLUSIONS AND RECOMMENDATION

On March 26, 1957 the properties of the Pyramid Mining and Metal Corp., the Big 3, White Cloud, Ruth and Owl groups of claims in the Lordsburg district, Hidalgo County, New Mexico, were examined on behalf of the DMEA (docket DMEA 4630), to determine if Government participation in exploration was justified. The applicant company proposed to explore these claims by diamond drilling at a total cost of $58,800.

The geology in vicinity of the claims is similar to that in the productive parts of the Lordsburg district except that the veins are very small and contain relatively higher proportions of lead and zinc.

Small ore shoots in narrow quartz veins on the Owl, Ruth and White Cloud claims yielded minor amounts of ore, probably not exceeding a combined total of a couple thousand tons. In addition to small underground workings an attempt was made to explore the veins by 3 diamond drill holes, none of which are known to have reached the veins.

The deposits appear to be too small to justify Government participation in exploration; therefore we recommend that the application be denied.

(DMEA-4630 (LEAD-ZINC-COPPER)
PYRAMID MINING & METAL CORPORATION
(BIG 3, WHITE CLOUD, RUTH AND OWL GROUPS OF CLAIMS)
HIDALGO COUNTY, NEW MEXICO

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INTRODUCTION

Pyramid Mining & Metal Corporation applied to the Defense Minerals Exploration Administration for aid in exploration for lead, zinc and copper on the Big 3, White Cloud, Ruth and Owl groups of claims, Hidalgo County, New Mexico. The application was received and docketed DMEA-4630 February 8, 1957. It then was reviewed by the Operating Committee and referred to the Field Team, Region III for field investigations and a covering report of examination.

The applicant proposed to test a mineralized vein on each of the 4 groups of claims by putting down 2 1,100-foot inclined diamond drill holes. The total cost of the work was estimated at $58,800.00 of which $57,200.00 was for the drilling and the remaining $1,600.00 was for core boxes and consultant's fees.

The field investigations were made March 26, 1957 by J. N. Faick, geologist, U. S. Geological Survey, and T. M. Romslo, mining engineer, U. S. Bureau of Mines. They were accompanied by a representative for the applicant, Mr. R. I. Kirchman, Mining Engineer, Silver City, New Mexico.

LOCATION AND ACCESSIBILITY

The Big 3, White Cloud, Ruth and Owl groups of claims are situated about 5.5 air-miles southwest of Lordsburg, New Mexico (Fig. 1). The claims are described as being in secs. 23, 24, 25 and 26, T. 23 S., R. 19 W. and secs. 19 and 30, T. 23 S., R. 18 W., Virginia Mining District, Hidalgo County, New Mexico.

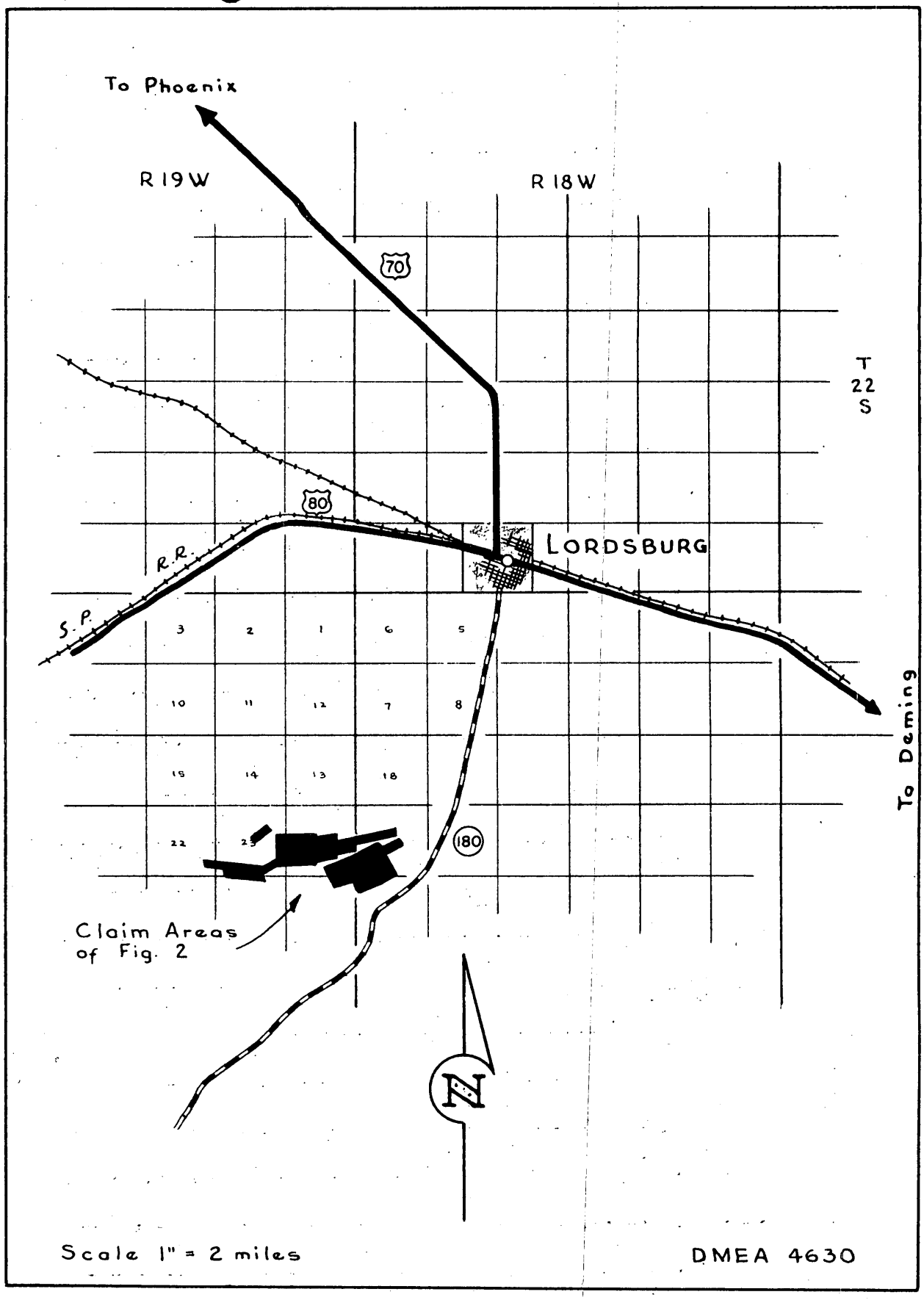

Fig-1- Location Map, Pyramid Mining & Metal Corp.
Hidalgo County, New Mexico

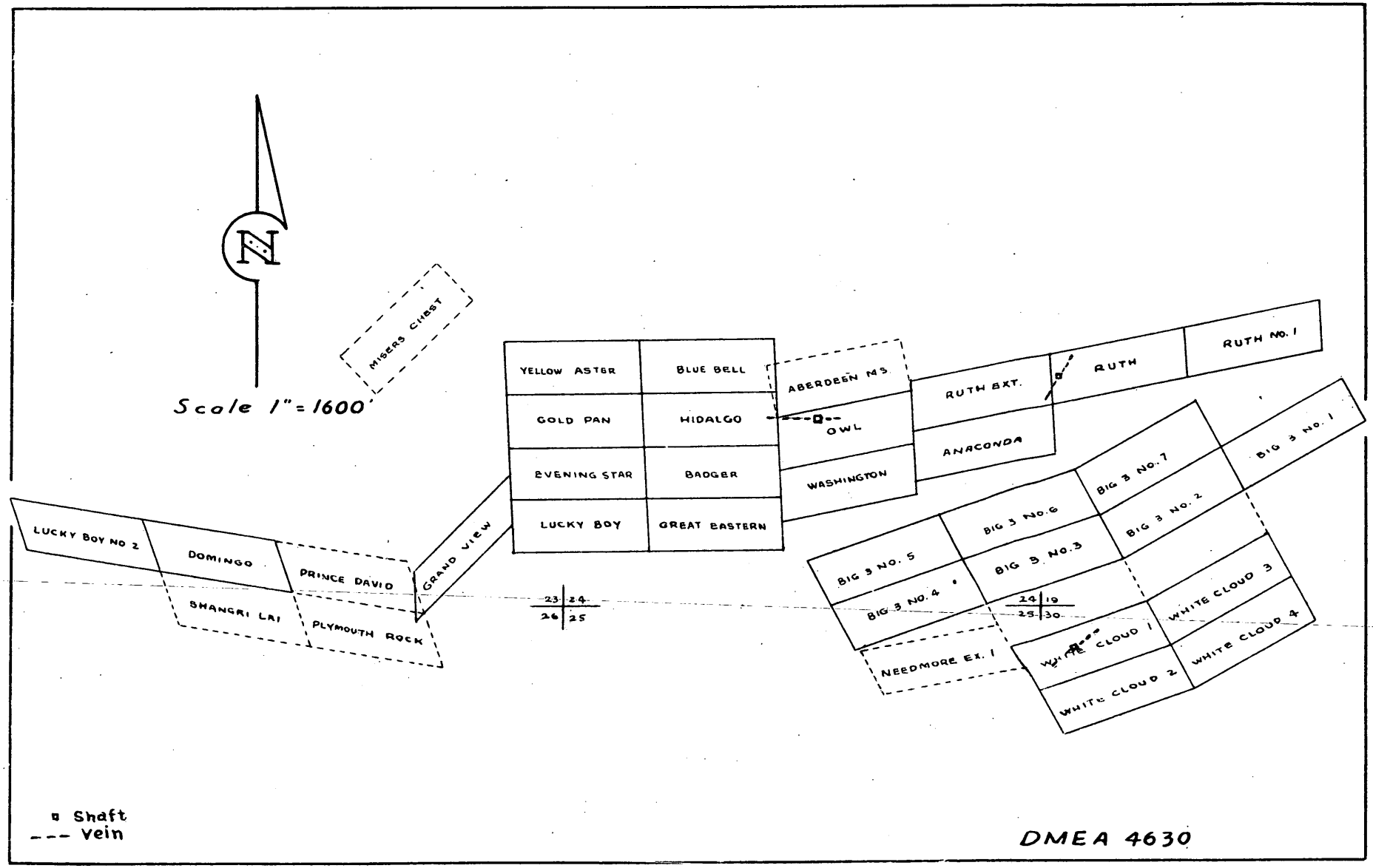

Fig.-2-Claim Map, Pyramid Mining & Metal Corp.
Hidalgo County, New Mexico

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Lordsburg is a town on the U. S. Highways 70 and 80 and State Highway 180. It is a division point on the Southern Pacific railroad.

The claims are accessible from Lordsburg via graded dirt roads that traverse level to gently rolling terrain. A log of the trip follows:

Miles	
0.0	Follow State Highway 180 south from its junction with U. S. Highways 70 and 80.
1.9	Road forks - take left branch
4.0	Road forks - take left branch
4.8	Road forks - take right branch
5.6	Baldwin Mine of Owl claim.

Access roads from the Baldwin mine lead to the principal workings on the other 3 groups of claims.

TOPOGRAPHY, PHYSICAL FEATURES AND CLIMATE

The Big 3, White Cloud, Ruth and Owl groups of claims are at an average altitude of about 4,600 feet in the north central portion of the Pyramid Mountains. These mountains form a range that extends about 80 miles southward from near the town of Lordsburg.

The topographic relief is very mild and low. Low hills of pyramidal shape comprise much of the area. Intervening gullies form irregular drainage patterns.

The climate and vegetation are characteristic of the semi-arid regions at intermediate altitudes in southwestern U.S.A. Summers are long but moderate in heat and the winters are short and mild. Annual precipitation of about 10 inches principally occurs as heavy summer thunderstorms and light rain and snowfalls during the winter. Vegetation consists of small desert shrubs, grasses and cactus.

HISTORY AND PRODUCTION

Mineral deposits of the Virginia Mining District of New Mexico probably were first located during the late 1870's. They were initially worked to shallow depths for gold and silver. Mining of the deposits for their lead, zinc and copper ore probably started about 1905 and has sporadically continued to the present time. Total production of base metal ores from the district is unknown but is very significant since a few larger mines have each yielded several million pounds of copper. Minor amounts of ore were produced from many smaller mines that include the Owl (Baldwin), Ruth and the White Cloud of the applicant's property. Information regarding the history and production of the Owl and Ruth mines was obtained from unpublished reports by an engineer of the U. S. Bureau of Mines[1/].

Prior to 1908, little more than surface trenching is believed to have been done on the applicant's property. During 1908, a 500-foot deep shaft was sunk on the Aberdeen or Search claim that adjoins the Owl claim on the north. A long crosscut was driven south to prospect

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1/ Huntington, Morgan C., the Baldwin Mine, Preliminary War Minerals Memorandum, May 1943; the Ruth Mine, Preliminary War Minerals Memorandum, June 1943.

the principal vein of the Owl claim. The vein reportedly was reached but was not penetrated when the crosscut was stopped by a heavy flow of water from the vein. As far as known, no other extensive work was done on the Owl claim until 1926 when the Baldwin brothers started to sink a shaft. To 1933, when the operations were terminated, they sunk a 60-foot shaft, a 150-foot shaft and dug numerous shallow pits and trenches. Lateral underground workings were confined to approximately 70 feet of drifting on the 60-level of the deeper shaft. Two small shipments of ore of unknown grade, one of 38 tons in 1930 to a custom mill at Deming, New Mexico, and a second of 26 tons in 1933 to an El Paso, Texas smelter, were made.

Development of the Ruth Mine started in 1922. To April 1943, various lessees had sunk a 300-foot inclined 2-compartment shaft and drifted 300 feet each on the 135, 200, and 280 levels. Ore had been mined by open stopes principally from the 200 to the 300 level for a strike length of 100 feet and the 135 level to almost the surface for a strike length of 80 feet. Production to 1941 amounted to 178 tons of partially oxidized ore containing 90,567 pounds of lead and 16,400 pounds of zinc. Gold and silver averaged about 0.15 ounce and 3 ounces per ton, respectively. During 1942 and 1943, the property was operated by the National Zinc Corporation. The corporation installed a mining plant and built a small gravity concentrator. The concentrator was later moved to Lordsburg after failing to develop an adequate supply

of water on the property. Production to May 1943 by the corporation comprised 782 tons of ore and 50 tons of jig concentrates containing a total of 172,000 pounds of zinc, 97,500 pounds of lead, and 6,534 pounds of copper. The metal content of 2 additional cars of jig concentrates shipped in May 1943 is not known. Production during the few additional years that the property may have operated probably did not amount to more than a few hundred tons of ore.

The White Cloud claims, according to the owner, probably were worked intermittently only from about 1910 to 1935. Mine workings mainly consisted of a 30- to 40-foot deep shaft and about 250 feet of shallow trenches along the vein. Production is believed to have been confined to a few hundred tons of selectively mined lead ore.

The most recent activities on the applicant's properties were confined to the Big 3 claims. During 1952 and 1953, a 30-foot deep shaft was sunk and a small amount of trenching was done by Mrs. Madelyn Caraway. She reported that no ore was produced from these workings. No further work was done until 1956 when one diamond drill hole was put down by the applicant at each the Baldwin, Big 3 and White Cloud mines.

EXTENT AND OWNERSHIP OF THE PROPERTY

The land which the applicant wishes to explore and which may be benefited by the exploration comprises 28 unpatented lode mining claims in 4 groups.

Lease and Option Agreements attached to the application show that each group of claims has been transferred to J. Roy McCoy by various owners. No evidence was submitted to show that Mr. McCoy has transferred

the agreements to the Pyramid Mining and Metals Corporation.

The owners and claims of the 4 agreements are as follows:

Claims	Owners
7 - Big 3	Robert E. Caraway and Madelyn Caraway, his wife, P. O. Box 389, Truth or Consequences, New Mexico
4 - White Cloud	E. R. Kuykendall and Eva Kuykendall, his wife, Lordsburg, New Mexico
3 - Ruth	R. M. Reynolds and Lillian Reynolds, his wife, 950 West Elm Drive, Phoenix, Arizona, and R. T. Reynolds and Frances E. Reynolds, his wife, Lordsburg, New Mexico
14 - Various names	Louise M. Baldwin, 205 North Kenmore, Los Angeles 4, California.

Officers of the Pyramid Mining & Metal Corporation, 508 Great Plains Building, Lubbock, Texas are J. Roy McCoy, J. O. Wood, and Ransom Galloway, respectively president, vice-president, and secretary.

PRESENT STATUS

Activities of the Virginia Mining District are confined to the mining and milling operations at the Banner Mining Co.'s Bonnie and Misers Chest mines and the Werner Lake, Ltd.'s exploration project at the Atwood and Henry Clay mines.

Buildings and equipment on the applicant's property are confined to a headframe and 3 gasoline powered engines at the Baldwin mine. The headframe and engines are in a poor state of repair.

None of the major workings of the applicant's properties are readily accessible.

GEOLOGY

The property under consideration is in the Lordsburg Mining district, the geology of which has been described by Lasky[2/]. The oldest rocks exposed in the district are Lower Cretaceous basalt flows about 2000 feet thick, which were intruded by plugs of volcanic breccia and rhyolite. An irregular, horseshoe-shaped stock of granodiorite and related dikes of granodiorite, porphyry and aplite intrudes the volcanic rocks. Roof pendants in the stock and outliers of granodiorite are common. Miocene(?) lavas and associated breccias and tuffs are extensively exposed in the district, and these are separated from the older rocks by a major nonconformity.

Two sets of faults, one trending eastward and the other northeastward, seem to be confined to the zones that follow the general outline of the stock. Movement on the faults is approximately horizontal and of small magnitude, hardly exceeding 150 feet. Nearly all of the faults are pre-ore and are the structures along which ore-bearing quartz veins have formed.

Lasky classifies the quartz veins as the copper tourmaline type, in which the vein filling was deposited during several periods of re-opening. The veins contain quartz calcite, fluorite, specularite, tourmaline, barite, chalcopyrite, sphalerite, galena, and pyrite. The largest vein is the Emerald which has been mined at the 85 mine to a

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2/ Lasky, S. G., Geology and Ore Deposits of the Lordsburg Mining District, Hidalgo Co., N. Mex., U. S. Geol. Survey Bull. 885, pp. 9-42, 1938.

depth of 1900 feet and yielded about 1,500,000 tons of ore. The hypogene ore, which is typical of most of the ore in the district, contained 2.8 percent of copper, 1.23 ounces of silver, and 0.111 ounces of gold per ton. Most of the ore in the district was valuable for smelter flux and few of the mines were able to operate without a market for the flux ore. The Banner Mining Company, however, has successfully milled ore and marketed concentrate from the Bonney-Manila and Misers Chest veins for several years. The formerly productive Atwood vein (DMEA-2426) is being extensively explored at the present time.

The properties of the Pyramid Mining and Metal Corporation consist of 4 groups of claims, the Big Three, White Cloud, Ruth and Owl. The geology in vicinity of these claims is similar to that described above, i.e. metal-bearing quartz veins occupy fissures in basalt in fringe areas surrounding a granodiorite intrusive. These veins contain more zinc and lead than the veins in other parts of the district. The veins have been thoroughly prospected, and some underground work has been done on some of the veins. A shaft on the Owl claim is said to be 150 feet deep, and one on the Ruth claim is about 300 feet deep. On the nearby Aberdeen claim, which is not part of the applicant company's property, is a shaft said to be 500 feet deep.

On the Ruth property a narrow sulfide-bearing quartz vein strikes about N. 30° E. and dips about 50° North. The sulfide minerals in the vein are sphalerite, galena and chalcopyrite. Huntington reports that underground the vein has been explored for a strike distance of 400 feet and a distance of 300 feet on the dip by means of an inclined shaft and drifts along the vein on the 135-foot, 200-foot and 280-foot levels. It is reported that east of the shaft a lenticular ore shoot having a strike length ranging from 80 to 100 feet, with an average width of about 2.5 feet but locally enlarging to a width of 8 feet has been mined from the 130-foot level to the surface and between the 280-foot and 200-foot levels. On the 280 level the ore is said to range from 6 inches to 18 inches in thickness, but a raise is reported to have encountered ore 3 feet thick about 15 feet above the 280 level. It is reported that the ore mined averaged about 7 percent zinc 3.5 percent lead, 0.3 percent copper, 0.02 ounces gold, and 1 ounce silver per ton. The ore as mined is easily upgraded by hand sorting.

On the Owl (Baldwin) property there are narrow quartz-sulfide stringer veins that cut basalt. Locally the veins contain small ore shoots, one of which is explored by the Owl shaft 150 feet deep, and by about 100 feet of drift on the 60-foot level. This drift explored a small ore shoot which has a strike length of about 55 feet, and ranges in width from 12 to 30 inches. This ore shoot extended to the surface where it was mined in a shallow cut extending

from the shaft to a point about 20 feet west of it. The vein contains traces of gold, silver and copper, and from about 6 to 18 percent combined lead and zinc. About 65 tons of ore shipped during the early thirties did not pay the cost, but exact mill and smelter returns are not available. Some of this ore probably was mined from shallow cuts on the vein near the northwest corner of the Owl claim. In May 1943 the ore reserves in the Owl mine were estimated to range from 500 to 1000 tons estimated to contain about 10 percent combined lead and zinc.

On the Big Three No. 4 claim is a stringer vein that is typical of others in the district except for its small size. The vein is a couple inches wide, but locally bulges to about a foot wide, the vein strikes about N. 50 E., dips steeply south. It is explored by a few shallow trenches and a shaft about 30 feet deep. There is no known minable ore in this vein.

On the White Cloud No. 1 claim an ore-bearing quartz vein was developed by two shallow shafts, probably less than 50 feet deep, and some open cut stopes extending to depths of about 15 feet. The vein is about 250 feet long and from one to two feet wide, and on the dump is scattered material indicating that the vein is similar to others in the district. The ore material is somewhat oxidized and it is reported that the ore shipped was rich in lead.

As previously mentioned 3 diamond drill holes were put down in 1956. One hole was drilled about 250 feet southwest of the Owl shaft; one was drilled about 200 feet south of the Big Three, and another was drilled about 200 feet south of the White Cloud shaft. All 3 holes were drilled northward at a high angle (about 65°) in an effort to reach the veins at considerable depths; however, there is no evidence to indicate that any of the holes reached their objective. The cores were inspected by the examiners but not logged in detail. All the core was volcanic material, some of which is strongly brecciated. In places the rock contained numerous narrow irregular veinlets of quartz and calcite, some of which contained sparse amounts of disseminated pyrite.

ORE RESERVES

In 1943 the ore reserves in the Ruth (Reynolds) mine were estimated at 2000 tons. About 500 tons of ore containing 5 percent zinc and 2 percent lead was reported in a block above the 200 level, and in a marginal strip west of the stopes. An additional 500 tons of ore averaging 8 percent combined lead and zinc was indicated between the 200 and 280-foot levels. About 1000 tons of similar ore was inferred to lie east of the drifts and stopes. Part or all of the reserves known in 1943 may have been mined out.

At the Owl mine the reserves were estimated in 1943 to range from 500 to 1000 tons. At the White Cloud mine irregular shallow cuts indicate the presence of a vein about 250 feet long and 12 to 18 inches wide. Assuming a depth extension of 50 feet, a reserve of about 1200 tons is inferred.

There are no reserves on the Big 3 claims.

DMEA
DEPARTMENT OF THE INTERIOR
MAR 6 1957
REGION III
DENVER, COLORADO

March 5, 1957

Memorandum

To: W. R. Storms

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4630 (Lead-Zinc-Copper) Pyramid Mining & Metal Corporation (Big 3, White Cloud, Ruth and Owl Groups of Claims) Hidalgo County, New Mexico

Enclosed please find the application for Pyramid Mining & Metal Corporation, Docket DMEA 4630, in the amount of $58,800.00.

A field examination and suitable report are required. The completed report should be forwarded directly to the Executive Officer, with a copy of the memorandum of transmittal to this office.

W. H. KING

W. H. King

Enclosure

cc: W. M. Traver (3)
E. N. Marshman
W. L. Emerick

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DMEA
RECEIVED MAR 11 1957

DATE	INITIALS	CODE
3-11	C	220
3/11	~~WRS~~	500

no

224 New Customhouse
Denver 2, Colorado

March 4, 1957

3.6 C 220
3/6 WRY 500

Memorandum

To: W. H. King (2) W/Copy Appl., Chmn. Letter &
W. L. Emerick) Review Memoranda

From: DMEA Field Team, Region III

Subject: Docket No. DMEA-4630 (Lead-Zinc-Copper) Pyramid Mining & Metal Corporation (Big 3, White Cloud, Ruth and Owl Groups of Claims) Hidalgo County New Mexico

Enclosed are a copy of the subject application for $58,800.00, its transmittal to the Executive Officer from the Chairman, Operating Committee, DMEA, for referral to the field and memoranda of review by G. M. Bishop, USBM, and N. K. Nelson, USGS. A field examination and suitable covering Report of Examination are requested.

Should you view the project favorably, we would appreciate your covering the points mentioned in the Chairman's letter with the exception that the Owners' Consents to Lien will be requested by this office or the Washington office.

The Bureau of Mines' copy of the application should be returned to this office with the Report of Investigation. The Geological Survey copy of the application is to be forwarded to Mr. Harshman's office.

DMEA Field Team, Region III

Original signed by
E. N. HARSHMAN

By E. N. Harshman
Acting Executive Officer

Enclosures

MHM:eh
cc: Harshman W/Copy Chmn. Letter & Review Memoranda
✓ Sec. Op. Comm. (2)
Docket 4630
Chron.

DMEA Form 7
(12-56)

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Date	Surname	Code
500		
2/25	Hummel	500
2/27	Selfridge	130
"	Johnson	110
"	Mittendorf	100
2-28	C	220
		500

Lamb
Nelson

FEB 27 1957

Mr. J. Roy McCoy, President
Pyramid Mining & Metal Corporation
508 Great Plains Building
Lubbock, Texas

Re: Docket No. DMEA-4630 (Lead-Zinc-Copper)
Pyramid Mining & Metal Corporation
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Dear Mr. McCoy:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and is being referred to:

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

If additional information concerning your application is needed, the Field Team will get in touch with you at an early date.

Sincerely yours,

C. O. Mittendorf

Administrator

WRGriswold/er 2/25/57
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region III (2)
Chron.

8623

DMEA Form 7
(12-56)

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Date	Surname	Code
2/25	Fraunfelter	500
2/27	Selfridge	130
"	Johnson	110
"	Mattendorf	100
		225
		500

500

FEB 27 1957

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

Re: Docket No. DMEA-4630 (Lead-Zinc-Copper)
Pyramid Mining & Metal Corporation
Big 3, White Cloud, Ruth and Owl Groups of Claims
Hidalgo County, New Mexico

Dear Mr. Traver:

The cited application is being referred to your office for consideration, a field examination of the property, if warranted, and recommendations. We are enclosing three copies each of memoranda dated February 13 by O. M. Bishop, Bureau of Mines, and N. E. Nelson, Geological Survey, relating to the proposal.

As noted by Mr. Bishop, the application actually contains little information of significance, in the way of a project justification. However, perhaps some such evidence may exist in spite of the meager data provided us.

In case the Field Team should view the project favorably, certain points should be covered:

1. The leases are made to J. Roy McCoy and not to the Pyramid Mining and Metal Corporation.

2. Proper Owners' Consents to Lien would be required.

3. Three independent bids should be secured covering the diamond drilling.

We are enclosing two copies of the application for the Field Team use.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures
APPROVED:

Frank D. Lamb
Member, Bureau of Mines

N. E. Nelson
Member, Geological Survey

WRGriswold/er 2/25/57

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

8623

IN REPLY REFER TO:

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DMEA
RECEIVED FEB 14 1957

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

February 13, 1957
Re: DMEA 4630
Pyramid Mining and Metal Corp.
Big 3 Groups (Owl, etc.)
Hidalgo County, New Mexico
$58,800.00 - Lead-zinc-copper

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in prospecting for narrow chalcopyrite-bearing quartz veins, by deep angle drill holes.

The veins to be sought would probably be similar to those explored in a mine 2 miles to the north under contract Idm-E345, the Atwood Copper Mine, DMEA 2426. The project was certified as a discovery.

An application for assistance in doing work in the Miser's Chest and Bonney mines was made in 1951 by the Banner Mining Co., DMA 268. The application was denied. The mines are 0.8 of a mile northwest of the referenced claims.

The referenced property has had considerable work done upon it and some ore has been shipped. A shaft on the Owl claim is said to be 160 feet deep and one on the Ruth claim is 370 feet deep. The Aberdeen shaft on the Aberdeen claim adjoining the Owl claim on the north is said to be 527 feet deep. The Aberdeen claim is not included in the project area. Within recent months, 3 deep, prospect, angle, drill holes have been drilled on the project claims. The holes were drilled to satisfy contract obligations, and only general targets were aimed at. No ore was found, but scattered chalcopyrite mineralization is mentioned.

The drill cores were inspected by the consulting engineer and a report on them accompanies the application. The cores are said to support a theory that at a depth of about 800 feet significant copper-bearing veins are to be expected, similar to those being mined at the Atwood mine, 2 miles to the north, and to those that have been mined at the 85, Miser's Chest, and Bonney mines. At the named mines

the veins are for the most part in basalt (lower) and granodiorite. The granodiorite is intrusive into the basalt and may underlie the entire area, but, as inferred, may be very deep in the vicinity of the Owl and adjoining claims. It may be assumed that the deep drilling is proposed in order to test a horizon nearer the granodiorite. That 1100-foot holes drilled at an angle of 55° will reach a favorable horizon is an assumption only deep work will prove or disprove. To put dimensions on the possible ore shoots is still more of an assumption, but nothing large is to be expected.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

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DMEA
RECEIVED FEB 14 1957

DATE	INITIALS	CODE
2-15	C	220
2-18	WRG.	500

February 13, 1957

Re: DMEA 4630; Pb-Zn-Cu-Ag;
$57,200
Pyramid Mining and Metal Corp.
(Big 3 White Cloud, Ruth & Owl Group)
Hidalgo County, New Mexico

Memorandum

To: W. R. Griswold, DMEA

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

Subject: Review of application

The 4 lease agreements forming part of the application shows the agreements cover 30 claims, although item 3a of form MF-103 indicates but 25. This suggests that the applicant may wish to subordinate only part of his lease-hold. It is not clearly the case, however, and needs clarification by the applicant.

According to data in the application the country rock is a basic ferro-magnesian mass cut by east-west faults which are mineralized and form the loci of orebodies. A rather wordy and non-definitive report on interpretative analysis of recent core drilling forms part of the application. This report purports to indicate that a copper sulfide zone begins at a depth of about 400 feet, but the greatest quantity of copper noted in the assay results was but 0.05%.

The applicant proposes 8 holes, averaging 1,100 feet in depth, and inclined at minus 55 degrees to explore each of 4 veins at two points to a depth of 800 feet. The drilling is expected to cost $6.50 per foot or about $57,200.

The application is not well prepared, particularly from the view of justification. No evidence is presented that wall rock or structures exist on the claims that warrant exploration; nor is there sampling, production or other data to indicate in any way that the structures indicated on the claim map are of significance.

I recommend that the application be referred to the field for review and recommendation. Obviously unless additional evidence is developed the application must be denied.

O. M. Bishop

O. M. Bishop

Copy to: Division of Minerals
Mr. Lamb
Mr. Killsgaard
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Files

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

February 11, 1957

Pyramid Mining and Metal Corporation
508 Great Plains Building
Lubbock, Texas

Dear Mr. McCoy:

Subject: DMEA-4630

Your application for exploration assistance, dated January 16, 1957 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-4630 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

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