Acknowledged
Ellis
Selfridge

OCT 2 0 1955

Hon. Wright Patman
House of Representatives
Washington 25, D. C.

My dear Mr. Patman:

This will acknowledge a telephone request from your office on this date asking the return of papers and exhibits filed by Mr. H. M. Matson with his application for financial assistance on an exploration project, Docket No. 3903.

In accordance with your request, the material has been forwarded to Mr. Matson today.

A copy of my letter to Mr. Matson is enclosed.

Sincerely yours,

Frank E. Johnson

Acting Administrator

Enclosure
REAdams:mm - 10/19/55
Copy to: Administrator
Adm. R. File
Mail & Files
Chron.

Adams
Ellis
Selfridge

OCT 20 1955

Mr. R. M. Matson
Box 991
Marshall, Texas

Dear Mr. Matson:

This office has been requested by Congressman Patman's office to return to you all papers and exhibits accompanying your application for financial assistance, Docket No. 3903.

In accordance with this request, the material consisting of a Geological Report, Assay Reports, Assignments of Leases and maps showing location of property are returned herewith.

Sincerely yours,

Frank E. Johnson

Acting Administrator

Enclosures 17

REAdams:mm - 10/19/55

Copy to: Administrator
Adm. R. File
Chron
Mail & Files

Surname copy Murphy Ellis Geehan Selfridge 700

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

OCT 13 1955

Hon. Wright Patman
House of Representatives
Washington 25, D. C.

Re: Docket No. DMEA-3903 (Uranium)
R. M. Matson, et al.
La Reina, Pajaro Colorado,
and Pajaro Azul claims
Rio Arriba County, New Mexico

My dear Mr. Patman:

For your information, I am enclosing a copy of a letter to Mr. R. M. Matson, Box 991, Marshall, Texas, relating to the above-docketed application.

This action was conveyed to Miss Spain of your office by telephone.

Sincerely yours,

Frank E. Johnson

Acting Administrator

Enclosure

EWEllis/gla
10-11-55
cc to: Admr.'s Reading File
Operating Committee
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region III (2)

R.C.K.

Surname copy

Murphy
Ell.
Kilsgaard
Guhon
Selfridge

700

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

OCT 13 1955

Mr. R. M. Matson
Box 991
Marshall, Texas

Re: Docket No. DMEA-3903 (Uranium)
La Reina, Pajaro Colorado, and
Pajaro Azul claims
Rio Arriba County, New Mexico

Dear Mr. Matson:

Your application for aid in an exploration project and other information available to us in Washington concerning your above-named property have been reviewed.

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

Careful study of all our information, although noting a small amount of uranium mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied without prejudice to the property. If future work on or adjacent to your property reveals evidence which could materially alter this opinion, be assured we will be pleased to consider a new application.

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

Sincerely yours,

Frank E. Johnson

Acting Administrator

FMMurphy/gla
10-10-55
cc to: Admr.'s R. File
Operating Committee
Docket
Messrs. JECrawford, Rm.364
THKiilsgaard, R.522
JCHosted, Rm.3210, GSA
Code 700
Mr. Murphy
DMEA Field Team, Reg.III(2)

Copy to: Hon. Wright Patman

RCL.

Murphy
Ellis

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

October 19, 1955

Summary of Proposed Project

Object:	Denial of application for exploration aid.
Docket No.	DMEA-3903
Commodity:	Uranium
Applicant:	R. M. Matson, et al. (a partnership) Box 991 Marshall, Texas R. M. Matson - 75% E. B. Sealey) - 25% E. E. Marshall)
Property:	Ten (10) claims situated in Secs. 10 and 31, T. 23 N., R. 1 E., Rio Arriba County, New Mexico.
Date of application:	July 16, 1955 Referred to Region III, August 2. Received Field Team report, September 27.
Amount of Application:	$13,460.00
Work proposed:	49 rotary drilled holes totaling 3,000 feet, and possibly 500 feet of core drilling. The holes spaced 75 feet apart.

Estimated Costs:

Drilling 3000 ft. @ $1.50/ft.	$4,500.00	
Roads (bulldozer work) 30 hrs. @ $10.00/hr.	300.00	
Probing 30 days @ $50/day	1,500.00	
Surveying 2 days @ $150/day	300.00	
Supervision, labor, etc.	3,360.00	
Reserve for coring (if advisable) 500 feet @ $4.00/ft.	2,000.00	
Assaying	500.00	
Incidental expenses	1,000.00	
Total		$13,460.00

Field Team
Report: (Excerpts):

Rocks exposed within the area of the subject claims range in age from Precambrian granite to Upper Triassic sediments. The sedimentary units present are the Pennsylvanian Madera limestone of the Magdalena group, the Permian Cutler formation, and the Upper Triassic Chinle formation.

The claims are within the area disturbed by the Nacimiento thrust fault, and contain a series of subsidary small thrust and normal faults.

Because of heavy timber, brush, and soil cover in the area, the contact between the upper arkosic member of the Madera limestone and the Cutler formation is obscured.

Radioactivity was noted on the Pajaro Azul No. 1 and on La Reina Nos. 3 and 4 claims; however, the readings indicated only low-grade mineralization. There are a number of shallow pits on the claims but no commercial grade ore was exposed.

The mineral deposits in the area are small and very low grade. Most of the known occurrences of anomalous radioactivity in the area are in the Cutler formation, whereas most of the subject claims are underlain by the Madera formation. The claims are on ground that is extremely broken by faults, which may give rise to serious geologic and drilling problems.

The examining team believes that the property is, at present, in the prospecting stage of development and that it does not meet minimum requirements forDMEA assistance. They, therefore, recommend that the application be denied. The Field Team concurred in this recommendation.

Commodity Members' Comments:

U. S. Bureau of Mines - J. E. Crawford, October 4, 1955.

Concurs in Field Team's denial.

U. S. Geological Survey - N. E. Nelson, October 5, 1955.

Mr.Nelson agrees that the conclusions of the field examiners are well supported and concurs in their recommendation of denial.

Rare and Miscellaneous Metals Division -
F. M. Murphy, October 10, 1955.

Because of the small and scattered weakly mineralized zones, the field examiners concluded that there are no geologic data on which a drilling program could be based to explore the subject property at the present time.

However, if future work by the Applicant demonstrates that a favorable trend of uranium mineralization does occur on the property, then a new application should be considered. Therefore, this Division recommends that the subject application be denied without prejudice.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

IN REPLY REFER TO:

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

October 5, 1955

Re: DMEA 3903
R. M. Matson, et al.
La Reina, Pajaro Azul, and
Pajaro Colorado claims
Rio Arriba Co., New Mexico
$13,460.00 - Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested Government participation in a drilling project on a group of ten claims, the work to consist of: Stage I, 19 dry rotary holes of 60 feet average depth; Stage II, 30 dry rotary holes with 500 feet of cored hole, all work to be on one claim.

The only sign of uranium mineralization, other than low counts on the scintillometer, occurs on the claim on which the proposed drilling was to be done. The showing amounts to 1 square inch of yellow mineral faintly coating a fracture surface. Other points showing radioactivity of approximately 3 times background were noted but no worthwhile concentrations were suggested. No target is furnished by the showings on the property or by inference, since no concentrations of interest are known in the immediate area.

The conclusions of the examiners are well supported, as is the Field Team recommendation that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

10/6/55 gla

IN REPLY REFER TO:

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

October 5, 1955

Re: DMEA 3903
R. M. Watson, et al.
La Reina, Pajaro Azul, and
Pajaro Colorado claims
Rio Arriba Co., New Mexico
$13,400.00 - Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested Government participation in a drilling project on a group of ten claims, the work to consist of: Stage I, 19 dry rotary holes of 60 feet average depth; Stage II, 30 dry rotary holes with 300 feet of cored hole, all work to be on one claim.

The only sign of uranium mineralization, other than low counts on the scintillometer, occurs on the claim on which the proposed drilling was to be done. The showing amounts to 1 square inch of yellow mineral faintly coating a fracture surface. Other points showing radioactivity of approximately 3 times background were noted but no worthwhile concentrations were suggested. No target is furnished by the showings on the property or by inference, since no concentrations of interest are known in the immediate area.

The conclusions of the examiners are well supported, as is the Field Team recommendation that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/5/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

October 5, 1955

Re: DMEA 3903
R. M. Watson, et al.
La Reina, Pajaro Azul, and
Pajaro Colorado claims
Rio Arriba Co., New Mexico
$13,400.00 - Uranium

Memorandum

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

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

Subject: Review of Field Team report.

The applicants requested Government participation in a drilling project on a group of ten claims, the work to consist of: Stage I, 10 dry rotary holes of 60 feet average depth; Stage II, 30 dry rotary holes with 500 feet of cored hole, all work to be on one claim.

The only sign of uranium mineralization, other than low counts on the scintillometer, occurs on the claim on which the proposed drilling was to be done. The showing amounts to 1 square inch of yellow mineral faintly coating a fracture surface. Other points showing radioactivity of approximately 3 times background were noted but no worthwhile concentrations were suggested. No target is furnished by the showings on the property or by inference, since no concentrations of interest are known in the immediate area.

The conclusions of the examiners are well supported, as is the Field Team recommendation that the application be denied.

I concur with the recommendation.

E. E. Nelson

E. E. Nelson

EENelson:inl
G-10/5/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

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

October 5, 1955

Re: DMEA 3903
E. E. Nelson, et al.
La Reina, Pajaro Azul, and
Pajaro Colorado claims
Rio Arriba Co., New Mexico
$13,440.00 - Uranium

Memorandum

To: N. W. Ellis, Defense Minerals Exploration Administration

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

Subject: Review of Field Team report.

The applicants requested Government participation in a drilling project on a group of ten claims, the work to consist of: Stage I, 19 dry rotary holes of 60 feet average depth; Stage II, 30 dry rotary holes with 500 feet of cored hole, all work to be on one claim.

The only sign of uranium mineralization, other than low counts on the scintillometer, occurs on the claim on which the proposed drilling was to be done. The showing amounts to 1 square inch of yellow mineral faintly coating a fracture surface. Other points showing radioactivity of approximately 3 times background were noted but no worthwhile concentrations were suggested. No target is furnished by the showings on the property or by inference, since no concentrations of interest are known in the immediate area.

The conclusions of the examiners are well supported, as is the Field Team recommendation that the application be denied.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-10/5/55
cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Kostad, 3210

10/6/55 gla

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

October 4, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3903 (Uranium)
R. M. Matson, et al., La Reina, Pajaro Azul, and Pajaro Colorado claims, Rio Arriba County, New Mexico.

I have reviewed the report of examination, R. M. Matson, et al, DMEA Docket 3903, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The applicant requested Government aid from DMEA to explore for uranium on 10 unpatented mining claims in Rio Arriba County, New Mexico, by 3,000 feet of non-core and 500 feet of core drilling at a total estimated cost of $13,460.

A DMEA field examination was conducted on August 26, 1955. From this examination it was concluded that the subject property did not warrant DMEA participation in its exploration because the mineralized rock found in the widely scattered exposures was of low grade and the stratigraphic and structural relations have not been conclusively established by geologic investigations; no commercial uranium deposits are known to exist in comparable formations in the general locality. The field examiners therefore recommend that the application be denied.

We concur in the recommendation of the field examiners that the application for DMEA assistance be denied.

John E. Crawford
John E. Crawford

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

October 4, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

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We concur in the recommendation of the field examiners that the application for DMEA assistance be denied.

John E. Crawford

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

October 4, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3903 (Uranium)
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We concur in the recommendation of the field examiners that the application for DMEA assistance be denied.

John E. Crawford

10/4/55 gla

IN REPLY REFER TO:

Date Rec'd.

SEP 26 1955

BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

September 26, 1955

RECEIVED
SEP 27 1955

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, DMEA Docket 3903 (Uranium)
R. M. Matson et al., La Reina, Pajaro Azul, and Pajaro Colorado claims, Rio Arriba County, New Mexico

Enclosed are the original and three copies of a joint engineering and geologic report pertaining to the above subject application.

We concur with the recommendation of the field examiners that the application for exploration assistance be denied.

Field Team, Region III

W. M. Traver

W. M. Traver

E. N. Harshman

E. N. Harshman

Reviewed by
DMEA OPERATING COMMITTEE
10-3-55
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver, Colorado

SEP 27 1955

BUREAU OF MINES
Denver, Colorado

September 23, 1955

TRANSMITTED
SEP 26 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: E. N. Harshman
John F. Shaw

Subject: DMEA Docket 3903 (Uranium), R. M. Matson, et al., La Reina, Pajaro Azul, and Pajaro Colorado claims, Rio Arriba County, New Mexico

Enclosed are the original and nine copies of a joint examination report by N. F. Albee, U. S. Geological Survey, and Glen Walker, U. S. Bureau of Mines.

The applicant proposed to explore 10 unpatented mining claims in Rio Arriba County, New Mexico, by 3,000 feet of none-core and 500 feet of core drilling at a total estimated cost of $13,460.00.

The property was examined on August 26, 1955, in company with the applicants' geologist.

The examiners conclude that the project does not meet the minimum requirements for DMEA assistance, and they recommend denial of the application for exploration assistance.

We concur with the recommendation.

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

Reviewed by
DMEA OPERATING COMMITTEE
10-3-55
(date)

John F. Shaw
John F. Shaw
Supervising Mining Engineer

Enclosures (10)

ENHarshman:arh

12 (Boxes)

IN REPLY REFER TO:

DMEA
Date Rec'd.
SEP 26 1955

RECEIVED
SEP 27 1955
BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
[redacted]
Colorado Plateau District
P. O. Box 360
Grand Junction, Colorado

September 21, 1955

Memorandum

TRANSMITTED
SEP 26 1955

To: E. N. Harshman, Supervising Geologist

From: J. William Hasler

Subject: DMEA Docket 3903, R. M. Matson, et al, La Reina, Pajaro Azul and Pajaro Colorado claims, Rio Arriba County, New Mexico

Enclosed herewith is a rough draft and maps of a Geologic and Engineering report on the above mentioned property submitted as a result of a field examination made by H. F. Albee, Geologist, U. S. Geological Survey and Glen Walker, Engineer, U. S. Bureau of Mines. The applicant made application to the Defense Minerals Exploration Administration for assistance to explore for uranium ore on 10 unpatented claims in Rio Ariba County, New Mexico.

The rocks exposed in the area of the subject claims range from Precambrian to Upper Triassic. The sedimentary units present are the Pennsylvanian Madera limestone of the Magdalena group, the Permian Cutler formation and the Upper Triassic Chinle formation.

There are a number of mineralized occurrences on the claims but they are small and are very weakly mineralized. In only one area on the claims was there any uranium minerals exposed. These mineralized areas were as much as 3 times background count and there was no material that was of one grade. Most of the known occurrences of anomalous radio activity are in the Cutler Formation whereas most of the subject claims are in the Madera Formation.

The applicants property is at present only in the prospect stage and does not meet the requirements for a DMEA loan. The claims are in an area that is extremely fractured by both normal and thrust faults which may give rise to considerable geologic and drilling problems.

It is therefore recommended that the application and assistance be denied. I concur with the conclusions and recommendations of the examining team. Enclosed are the required number of Figure 2 maps, one copy of Figure 1 index map, as well as the applicants application.

Reviewed by
DMEA OPERATING COMMITTEE
10-3-55
(date)

J. William Hasler
J. William Hasler

JWH/vll
Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

RECEIVED
SEP 27 1955

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA Docket 3903

R. M. Matson et al

La Reina, Pajaro Azul, and Pajaro Colorado Claims

Rio Arriba County, New Mexico

Uranium

Joint Engineering and Geologic Report

Reviewed by
DMEA CLEARANCE COMMITTEE
10-3-55
(date)

by

H. F. Albee
U. S. Geological Survey

Glen Walker
U. S. Bureau of Mines

September 23, 1955

CONTENTS

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Introduction and Summary	1
Acknowledgments	2
Location, Topography, and Physical Features	2
History, Production, and Ownership	3
Geology and Ore Deposits	3
Minable Ore Reserves	6
Present Status	7
Project Proposals	7
Conclusions	8

ILLUSTRATIONS

Figure	Following page
1. Location Map, R. M. Matson, et al, La Reina, Pajaro Azul, and Pajara Colorado Claims, Rio Arriba County, New Mexico	2
2. Geologic Map of the Gallina area showing the R. M. Matson group of claims, Rio Arriba County, New Mexico	8

DMEA 3903
R. M. MATSON ET AL
La Reina, Pajaro Azul, and Pajaro Colorado Claims
Rio Arriba County, New Mexico

RECEIVED
SEP 27 1955

INTRODUCTION AND SUMMARY

R. M. Matson and partners of Marshall, Texas, requested DMEA assistance in exploring for uranium ore on 10 unpatented claims in secs. 30 and 31, T. 23 N., R. 1 E., Rio Arriba County, New Mexico.

The applicant proposed first-stage drilling consisting of 19 dry rotary holes to an average depth of 60 feet on a 75-foot grid. In the second stage, 30 additional holes were proposed on the same grid pattern. There was also 500 feet of coring proposed, the location of which was not definitely stated, but it is assumed to have been proposed on the Pajaro Azul No. 1 claim as was the 1st and 2nd stage work. The costs in the application were not broken down into stages, but the total for the project was $13,460.00 which is $3.845 per foot, or about 30 percent too high.

A field examination of the property was made on August 26, 1955, by an examining team composed of H. F. Albee of the U. S. Geological Survey and Glen Walker of U. S. Bureau of Mines.

The investigation resulted in the conclusion that the property does not warrant DMEA participation in its exploration because:

1. The widely scattered exposures of mineralized rock are low grade.

2. Geologic investigations have not conclusively established stratigraphic and structural relations.

3. There are no known commercial uranium deposits in comparable formations in the general locality.

It is, therefore, recommended that the application be denied.

ACKNOWLEDGMENTS

Messrs. Tom Matson and Ernest Marshall, partners in the venture along with their consulting geologist, O. A. Larrazola, accompanied the examing teams and offered considerable pertinent information. R. K. Nestler and L. R. Kittleman, geologists for the A. E. C., also offered valuable data on the general area.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The 10 unpatented claims are in the southwestern part of sec. 30 and the northwest of sec. 31, T. 23 N., R. 1 E., N.M.P.M. about 4 miles south of Gallina, N. Mex. This very small village is on State Highway 96 about 25 miles northeast of Cuba, the largest town in the area. The nearest rail point is Bernalillo on the Santa Fe Railroad about 90 miles to the southeast. Albuquerque, the largest city in the state, is about 115 miles southeast of the property. Supplies and equipment for mining operations would probably have to be obtained in Albuquerque.

The property is on the north facing slope of San Pedro mountain, a part of the western Nacimiento Range. The relief is not exceptionally great and the surface, for the most part, is covered by soil which supports a thick growth of sizeable pine and spruce timber with a rank undergrowth of scrub oak.

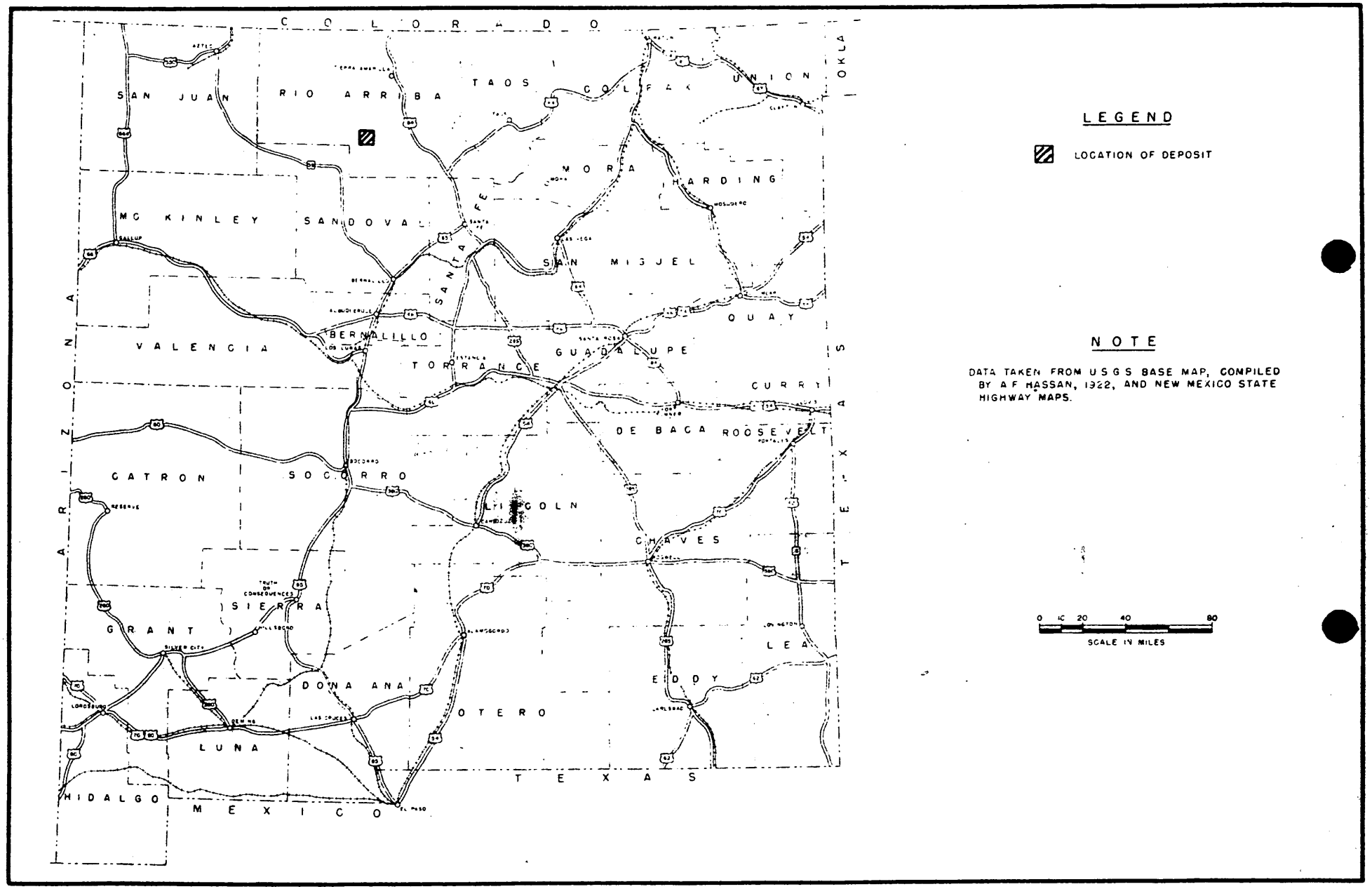

FIGURE 1 - LOCATION MAP, R. M. MATSON, ET AL, LA REINA, PAJARO AZUL AND PAJARA COLORADO CLAIMS, RIO ARRIBA COUNTY, NEW MEXICO. DMEA 3903

Water is readily obtainable from a branch of Gallina Creek which flows through the property; it is said to be perennial.

The climate is marked by great extremes in both temperature and precipitation. Winter temperature is said to fall below 20° below zero and the snowfall amounts to several feet, factors which would greatly hinder a small surface operation. In summer the temperature may be above 100° and rain occurs as violent cloudbursts that for short periods frequently make the one-way road impassable.

Power for mining operations would have to be supplied by internal combustion engines.

Unskilled labor is plentiful, but there are few experienced miners in the district.

HISTORY, PRODUCTION, AND OWNERSHIP

The claims were all located by local residents in September 1954. Also in September 1954, the properties were leased to Carl B. Butler, who, in May 1955, assigned his leases to the applicants. When it became apparent the Government exploration assistance would not be recommended, no search of the county records was made.

There has been no mineral production from the land.

GEOLOGY AND ORE DEPOSITS

Rocks exposed within the area of the subject claims range in age from Precambrian granite to Upper Triassic sediments. The sedimentary units present are the Pennsylvanian Madera limestone of the

Magdalena group, the Permian Cutler formation, and the Upper Triassic Chinle formation.

The Precambrian rock on the southern part of the claims is the granite that forms the core of the San Pedro and Nacimiento Mountains.

The upper arkosic limestone member of the Madera formation is the oldest sedimentary unit in the area of the claims. It consists of dark gray, dense, fossiliferous limestone, thin bedded, gray shale, coarse-grained, reddish gray arkose, and red and greenish gray mudstone.

The Cutler formation consists of about 1,000 feet of interbedded red, brown, green, and gray mudstone, siltstone, sandstone, and conglomerate. These beds are characterized by extreme lateral lithologic variations, crossbedding, shallow intraformational scours, and isolated small accumulations of carbonaceous trash. Lenses of conglomerate are abundant in the lower part of the Cutler formation. The conglomerate lenses are composed of well-rounded quartz, quartzite, granite, and gneiss pebbles that range up to about 3 inches in diameter.

The Chinle formation is divided into an upper "redbed" section and a lower section. The lower section is further divided into three units which are, from bottom to top, the Aqua Zarca sandstone member, the Salitral shale tongue, and the Poleo sandstone lentil. The Aqua Zarca sandstone member consists of conglomeratic sandstone and a few beds of siltstone and shale. The Salitral shale tongue consists of variegated shale and some limestone concretions. The Poleo sandstone lentil is lithologically similar to the Aqua Zarca sandstone member. This section of lower Chinle is about 185 feet thick, and the upper "redbed" section is about 400 feet thick.

The Nacimiento thrust fault is about 1 mile west of the subject group of claims. The claims are on the thrust block and in an area that is severely broken by a series of subsidiary small thrust and normal faults that trend about north 70° west.

Because of the heavy timber, brush, and soil cover in the area, the contact between an upper arkosic member of the Madera limestone and the Cutler formation is obscured.

Radioactivity approximately three times background was observed in the upper arkosic member of the Madera limestone on the Pajaro Azul No. 1 claim. The radioactivity was in a very coarse, reddish gray, arkosic sandstone with sparse carbonaceous trash and secondary copper.

On the La Reina No. 3 claim, an open pit exposed light gray, medium-grained arkosic sandstone that probably is in the upper arkosic member of the Madera. The sandstone, in places containing abundant mudstone galls, gave no count except at one place. On the La Reina No. 3 claim an area of several square feet has a red to reddish purple iron stain along the fractures. The radioactivity is about three times background and dies out in all directions from the iron-rich area.

An open pit on the La Reina No. 4 exposed an orange, very coarse-grained, arkosic sandstone about 3 feet thick overlying a coarse conglomerate composed of quartz, quartzite, and granite pebbles up to about 3 inches in diameter. This pit is probably in the Cutler formation. The conglomerate is not abnormally radioactive, but the

radioactivity of the orange, arkosic sandstone and an overlying yellow, fine- to medium fine-grained sandstone is about twice background.

At only one place on the group of claims were uranium minerals observed. At the Pajaro Azul No. 1 a yellow mineral was seen faintly coating about a one square inch area on a fracture surface.

In the Gallina area one other occurrence of radioactivity is known in the Upper Madera limestone. 1/ At this place commercial-grade

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1/ Brown, H. Gassaway, III, RME-84, Uranium Deposits of the Vegitas Cluster, Rio Arriba and Sandoval Counties, New Mexico, June 1955.

---

copper mineralization has a slight radioactive anomaly very close to the Madera-Cutler contact.

Eight other occurrences of anomalous radioactivity that are known in the area 2/ but away from the claims, are in the Cutler

---

2/ Brown, H. Gassaway, III, RME-84, Uranium deposits in the Vegitas Cluster, Rio Arriba and Sandoval Counties, New Mexico, June 1955.

---

formation. Most of these occurrences are of very weakly radioactive material. One deposit, the Whiteflo No. 1, was the original discovery that brought about prospecting activity in the area. About 4 tons of material were shipped from this deposit and assayed 0.08 percent U_3O_8, 0.52 percent V_2O_5, and 29.5 percent $CaCO_3$, which, even if the high lime content were disregarded, is non-payment rock.

MINABLE ORE RESERVES

No minable ore reserves are known to exist on the property.

PRESENT STATUS

Discovery pits approximately 10 feet deep have been dug, and on the Pajaro Azul No. 1 claim three additional very shallow pits have exposed from a few inches to a foot of coarse sandstone weakly mineralized, principally with copper. All of these pits on Pajaro Azul No. 1 claim give a slight reaction on the scintillometer, but no readings exceeded four times the background count. Scintillometer readings on the mineralized rock on La Reina Nos. 3 and 4 claims were lower than those taken on the exposures on Pajaro Azul No. 1 claim. On La Reina No. 4 claim radioactivity and a little copper mineralization were associated with a conglomerate containing well rounded pebbles as much as 2-1/2 inches in diameter.

There are newly dozed trails to all the claims; but there is no mining or milling equipment on the property; in fact, the applicant owns none.

PROJECT PROPOSALS

The applicant proposed 3,000 feet of dry rotary drilling in 49 holes spaced 75 feet apart and 500 feet of coring at undesignated locations. The applicant's geologist stated, at the time of the examination, that he recommended 19 holes to be drilled as the initial stage of the work followed by the remaining 30, if results warranted. All the proposed drilling was to be conducted on the Pajaro Azul No. 1 claim near three small exposures of mineralized rock.

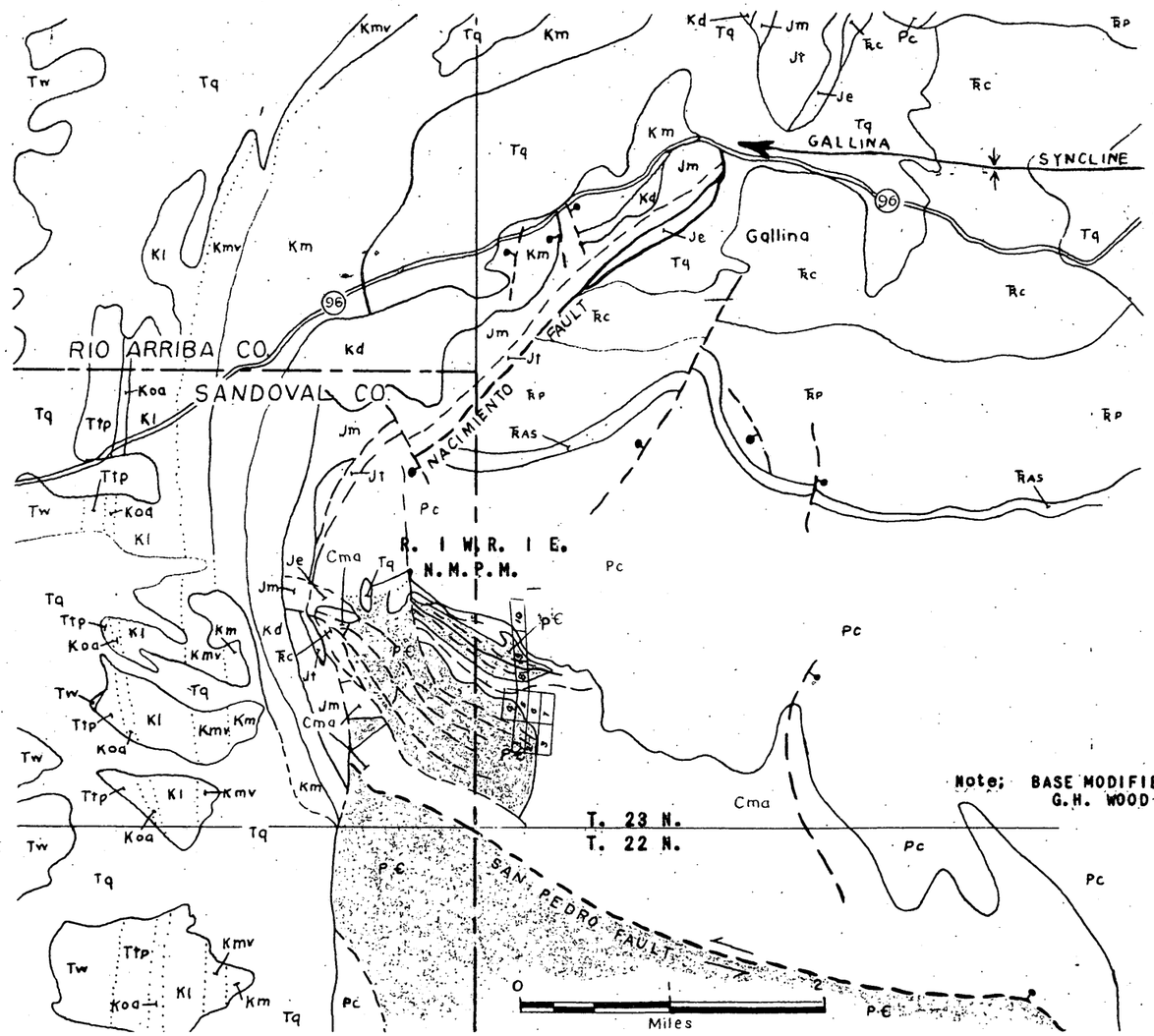
The project as outlined by the applicant was estimated to cost $13,460.00.

No work is proposed by the examining team.

CONCLUSIONS

The mineral deposits in the area of the claims are small and very low grade. Most of the known occurrences of anomalous radioactivity in the area are in the Cutler formation, whereas most of the subject claims are underlain by the Madera formation (fig. 2). The claims are on ground that is extremely broken by both normal and thrust faults, which may give rise to serious geologic and drilling problems.

The examining team believes that the property is, at present, in the prospecting stage of development and that it does not meet the minimum requirements for DMEA assistance in exploration. They, therefore, recommend that the application be denied.



Note: BASE MODIFIED FROM OIL AND GAS 57 BY G.H. WOOD AND S.A. NORTHROP

N

CLAIM INDEX

1 LA REINA NO. 2
2 PAJARO AZUL NO. 2
3 PAJARO COLORADO NO. 2
4 LA REINA NO. 6
5 LA REINA NO. 1
6 PAJARO AZUL NO. 1
7 PAJARO COLORADO NO. 1
8 LA REINA NO. 4
9 LA REINA NO. 5
10 LA REINA NO. 6

EXPLANATION

TERTIARY
- Tq — Alluvium
- Tw — Wasatch fm.
- Ttp — Torrejon Puerco fm

CRETACEOUS
- Koa — Ojo Alamo ss.
- Kl — Lewis sh.
- Kmv — Mesaverde fm.
- Km — Mancos sh.
- Kd — Dakota ss.

JURASSIC
- Jm — Morrison fm.
- Jt — Todilto ls.
- Je — Entrada ss

TRIASSIC
- Rc — Chinle fm.
- Rp — Poleo ss.
- Ras — Agua Zarca salitral

PERMIAN
- Pc — Cutler fm.

PENNSYLVANIAN
- Cma — Madera ls.

PRECAMBRIAN
- P€ — Pink granite

Fault, showing downthrown side

Inferred fault

Figure 2. GEOLOGIC MAP OF THE GALLINA AREA SHOWING THE R.M. MATSON GROUP OF CLAIMS, RIO ARRIBA COUNTY, NEW MEXICO

9/26/55 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

REGION III

OFFICE OF
REGIONAL DIRECTOR

224 NEW CUSTOMHOUSE
DENVER 2, COLORADO

September 17, 1955

Hon. Wright Patman
House of Representatives
Washington, D. C.

My dear Mr. Patman:

Receipt is acknowledged of your telegram, dated September 15, in reference to DMEA application No. 3903, R. M. Matson, Marshall, Texas.

The field office advises that the examination was made on August 26 and the joint report is now in preparation and should be forwarded to Washington on or about September 23.

We have advised C. O. Mittendorf, Administrator, DMEA, of your telegram and you will doubtless hear from him.

Sincerely yours,

Original signed by
J. H. East, Jr.

J. H. East, Jr.
Regional Director, Region III

cc: Director Forbes
C. O. Mittendorf
W. M. Traver

BUREAU OF MINES
WASHINGTON, D.C.

SEP 22 9 52 AM '55

Mr. C O Mittendorf

RECEIVED
SEP 16 1955

BUR MINES DN 235 9-15-55 4-37 PM

C O MITTENDORF

RECEIVED FOLLOWING TELEGRA M FROM WRIGHT PATMAN MC "AM EXTREMELY ANXIOUS TO RECEIVE REPORT ON R. M. MATSON MARSHALL TEXAS APPLICATION DOCKET NO. DMEA-3903 /URANIUM/. WILL YOU PLEASE ADVISE ME PRESENT TXXX STATUS AND OBLIGE".
FIELD OFFICES ADVISE EXAMINATION MADE AUGUST 26 AND THE JOINT REPORT IN PREPARATION SHOULD REACH YOU ABOUT SPETEMBER 23. PLEASE ADVISE CONGRESSMANN MATSON. RECOMMENDATION SIXXX IS FOR DENIAL.

W M TRAVER

Denver, Colo.

SEP 16 8 41 AM '55
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.

Surname 700

Murphy
Ellis
Martin
Y. J. Mason

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

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

AUG - 2 1955

Re: Docket No. DMEA-3903(Uranium)
R. M. Matson, et al.
La Reina, Pajaro Colorado, and
Pajaro Azul claims
Rio Arriba County, New Mexico

Dear Mr. Traver:

The subject application is referred to Region III Field Team for investigation, a field examination, and recommendation. A copy of the application was forwarded to your office July 25.

Enclosed are copies of memoranda from J. E. Crawford, dated July 26, and W. P. Williams, dated July 28, 1955, members of the Uranium Commodity Committee.

You will note that R. M. Matson and his partners E. B. Sealy and E. E. Marshall are sub-lessees by assignment of the original leases from Carl B. Butler.

In the event the Field Team recommends a project on the captioned property, it should advise the Applicants that we will require six executed copies of each of the following documents:

1. Royalty Subordination Agreement signed by Carl B. Butler on all the 10 claims.

2. Owner's Consent to Lien on the claims Pajaro Colorado Nos. 1 and 2, signed by Isaias Martinez, a widower.

3. Owner's Consent to Lien on the claims Pajaro Azul Nos. 1 and 2, signed by Willie Chaves and his wife Teresita.

4. Owner's Consent to Lien on the claims La Reina Nos. 1 through 6, signed by Rosenaldo Chacon and his wife Rosaura J; Ubaldo (Pete) Jaquez and his wife Atilianita C; Gabriel Maestas, Sr., and his wife Eloisa J; and Jose Ramon Chacon and his wife Lucy E.

Sincerely yours,

FMMurphy:am
7-29-55

W. S. Martin
ACTING Chairman, Operating Committee (WB)

Enclosures

cc to: Admr. Reading File
Operating Committee
Docket

APPROVED:

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

Thor H. Kiilsgaard (WB)
Member, Geological Survey

R.C.B.

Messrs. J. E. Crawford, Rm. 3641
J. O. Hosted, Rm. 3210, GSA
T.H.Kiilsgaard, Rm. ~~XXXXX~~ 5222
Code 700
Mr. Murphy

Surname 700

Murphy
Ellis
Martin
Hefman

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

AUG - 2 1955

Mr. R. M. Matson
Box 991
Marshall, Texas

Re: Docket No. DMEA-3903(Uranium)
La Reina, Pajaro Colorado, and
Pajaro Azul claims
Rio Arriba County, New Mexico

Dear Mr. Matson:

The application for assistance in exploring your property in Rio Arriba County, New Mexico, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region III at the following address:

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

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy:am
7-29-55
cc to: Admr. Reading File
Docket
Code 700
DMEA Field Team, Region III(2)

Hon. Wright Patman
U. S. House of Representatives

R.G.S.

IN REPLY REFER TO:

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

RECEIVED
JUL 29 1955

July 28, 1955

Memorandum

To: K. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of DMEA application, Docket No. 3903, R. M. Matson, et al., Rio Arriba County, New Mexico.

The applicant proposes to explore for uranium on ten unpatented mining claims located in secs. 30 and 31, T. 23 N., R. 1 E., Rio Arriba County, New Mexico. Two geological reports, by different individuals, attached to the application outline different drill hole spacings and patterns. Both reports recommend a total of 3,000 feet of wagon drilling.

In addition to the wagon drilling the report by O. A. Larrazolo recommends 500 feet of core drilling should it be necessary. Mr. Larrazolo's program, including road building, surveying, assaying, supervision, etc., is estimated to cost $13,460.

The property is located about 75 miles northeast of the significant ore deposits of the Grants district. The geologic reports submitted with the application state that a channel structure is present on the property in the Poleo formation. The Poleo formation may correlate with the Shinarump conglomerate of Triassic age on the Colorado Plateau. The applicant states, also, that uranium mineralization has been discovered in an open pit on the Pajaro Azul No. 1 claim, as well as in other places. Assays, however, of some of the material were very low in uranium.

The application is not very well prepared. No geologic map of the property has been submitted. The applicant does not state which of the two proposed exploration programs he prefers.

Favorable aspects of the property include the possibility of a channel structure in the Shinarump-Poleo formation and the presence of uranium mineralization. These items should be checked in the field. I therefore recommend that the application be

referred to the Field Team for field examination. Because the geologic problems and formations involved are of the Colorado Plateau type it would be advisable for the field examination to be made from the Grand Junction office.

No executed Owner's Consent to Lien from the lessors accompanied the application.

WW

W. P. Williams

WPWilliams:iml
G-7/28/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

7/29/55 glc

IN REPLY REFER TO:

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

RECEIVED
JUL 29 1955

July 28, 1955

Memorandum

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

From: W. P. Williams, U. S. Geological Survey

Subject: Review of DMEA application, Docket No. 3903, R. M. Matson, et al., Rio Arriba County, New Mexico.

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No executed Owner's Consent to Lien from the lessors accompanied the application.

W P Williams

W. P. Williams

7/26/55 gla

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

RECEIVED
JUL 26 1955

July 26, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3903, R. M. Matson et al, Rio Arriba County, New Mexico.

I have reviewed the attached application for assistance, R. M. Matson et al, DMEA Docket 3903; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We suggest that the application be referred to the Field Team for examination and report, and that the Field Team be requested to consult with Ernest R. Gordon, Atomic Energy Commission, Grand Junction, Colorado.

John E. Crawford

John E. Crawford

Attachment

July 25, 1955
Subject: DMEA-3903
Re: Exploration Assistance

R.M. Matson
Box 991
Marshall, Texas

Dear Mr. Matson:

The receipt of your application dated July 16, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3903 and referred to the Rare and Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

Marshall, Texas
July 16, 1955

The Defense Minerals Exploration Administration
Rare and Miscellaneous Minerals
4449 Department of Interior
Washington 25, D. C.

RECEIVED
JUL 22 1955

Attention Mr. Ernest Wm. Ellis

Gentlemen:

Attached is application for aid in an uranium exploration project. The claims relative to this application have been properly validated in compliance with Federal and New Mexico laws. Roads have been completed and discovery holes dug on each claim, and the claims have been properly surveyed. Geological surveys have been made by competant consulting geologists as per enclosures No. 1 & 2.

Government geologists, Mr. Brown and Mr. Worts, from the A.E.C. office, Grand Junction, Colorado have checked the claims and have indicated that they merit further exploration; such as drilling and probing or coring. They have explained this is the only way we will know what is causing the high readings (Encl. No.4) The attached assays of samples are very low, however, we have had them made at the suggestion of your representative, Mr. Rex Storms of Tucson, Ariz., as he advised that an assay should be sent in regardless of the assay to show that it is uranium that is causing the high count. (Encl. No. 3).

The cost of exploration is as near as we can figure it at this time. Mr. Storms also advised that the estimate may be altered one way or another when the government men examine the claims. At the time the government geologists and engineers examine the claims and find they merit government support we can and will have the figures exact before executing the contract.

I sincerely hope that the attached papers are found to be in order, and I will greatly appreciate the application being expedited as soon as possible due to the fact we have such a short working period in this particular area.

Yours very truly

R. M. Matson

R. M. Matson
Box 991
Marshall, Texas

RMM:bm

ENCL:
1 - O. A. Larrazolo geologist report.
2 - Photostatic copy of Hatfield & Enyart geological report.
3 - Assays
4 - Photostatic copy of U.S.A.E.C. letter
5 - Photostatic copy of mining lease assignment to R. M. Matson
6 - Photostatic copy of assignment of R. M. Matson to E.B.Sealey & E.E. Marshall
7 - Grid map by O.A. Larrazolo - Geologist
8 - Surveyor's plat of 10 mining claims.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

RECEIVED
JUL 22 1955

Not to be filled in by applicant

Docket No. 3903
Metal or Mineral Uranium
Date Received 7-22-55
Estimated Cost $13,460
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: R. M. Matson, et al (Partnership - Texas - R. M. Matson - 75%
Box 991 E. B. Sealey)
Marshall, Texas &) 25%
E. E. Marshall)

(*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 Ten claims in Sections 30 and 31, Township 23 North, Range 1 East, Rio Arriba County, New Mexico as shown in attached map by Mr. G. C. Price, as licensed surveyor for New Mexico.

(*b*) State any mine name by which the property is known. Known only by above designated claims.

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

(*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. Photostatic copy of mineral lease.

(*e*) If you own the land, describe any liens or encumbrances on it Land owned by Federal Government.

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

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 uranium.

(*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 as soon as possible days and be completed within 6 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)? Yes

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated July 16th, 1955

R. M. Matson et al
(Applicant)

By R. M. Matson
E. E. Marshall
E. B. Seeley

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

3. Applicant's property rights. - -

f. LAREINA CLAIMS 1 thru 6:(Recorded Tierra Amarilla, Rio Arriba Cty. New Mexico

1. Notice of Claim No. 1 dated 9/24/54 by Rosenaldo Chacon, Ubaldo (Pete) Jacquez, Gabriel Maestas Sr. and Jose Ramon Chacon recorded Vol. 19, Page 63 of Mining Claim Records.

2. Notice of Claim No. 2 dated 9/24/54 by same parties recorded Vol. 19, Page 63 of Mining Claim Records.

3. Notice of Claim No. 3 dated 9/24/54 by same parties recorded Vol. 19, Page 64, of Mining Claim Records.

4. Notice of Claim No. 4 dated 9/24/54 by same parties recorded Vol. 19, Page 64, of Mining Claim Records.

5. Notice of Claim No. 5 dated 9/24/54 by same parties recorded Vol. 19, Page 65, of Mining Claim Records.

6. Notice of Claim No. 6 dated 9/24/54 by same parties recorded Vol. 19, Page 65, of Mining Claim Records.

7. Original Mining lease dated 9/25/54 by Rosenaldo Chacon and Rosaura J. Chacon, his wife; Ubaldo (Pete) Jaquez and Atilianita C. Jacques, his wife; Gabriel Maestas, Sr., and Eloisa J. Maestas, his wife; and Jose Ramon Chacon and Lucy S. Chacon, his wife to Carl B. Butler, covering La Reina Mining Claims 1 thru 6 above mentioned and recorded Vol. 18, Page 245.

8. Assignment of said mining lease of La Reina Claims 1 thru 6 from Carl B. Butler to R. M. Matson dated 5/6/55 and recorded Vol. 18, Page 595.

PAJARO AZUL MINING CLAIMS NOS.1 & 2:

1. Notice of Claim No. 1 dated 9/24/54 by Willie Chavez and recorded in Vol. 19, Page 61 of Mining Claim Records.
2. Notice of Claim No. 2, dated 9/24/54 by Willie Chavez and recorded in Vol. 19, Page 61.

3. Original lease dated 9/24/54 executed by Willie Chavez and wife Teresita Chavez covering said Pajaro Azul Claims 1 & 2 to Carl B. Butler, recorded Vol. 18, Page 240.

4. Assignment of said lease from Carl B. Butler to R. M. Matson dated 5/6/55, recorded in Vol. 18, Page 599.

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PAJARO COLORADO MINING CLAIMS NOS. 1 & 2:

1. Notice of Claim #1, dated 9/24/54 by Isaias Martinez and recorded in Vol. 19, Page 62.

2. Notice of Claim #2, dated 9/24/54 by Isaias Martinez and recorded in Vol. 19, Page 62.

3. Original lease dated 9/24/54 from Isaias Martinez to Carl B. Butler recorded in Vol. 18, Page 251 covering said Pajaro Colorado Mining Claims 1 & 2.

4. Assignment dated 5/6/55 from Carl B. Butler to R. M. Matson assigning said lease dated 9/24/54, recorded in Vol. 18, Page 597.

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Page Two attached to Federal Government Form No. MF-103: Application for Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, as Amended.

4. Physical description:

(a) No exploration operations now being carried out. Roads have been constructed and discovery holes dug in accordance with New Mexico and Federal Law.

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(b) There has been no production from these claims.

(c) See enclosures Nos. 1 & 2 (Geologist's Reports) No. 3 (Assay)

(d) See enclosure No. 1 . Nearest shipping point Anac. Copper Co., Bluewater, New Mexico. Nearest supply and residence points four miles.

B

(e) There is an ample source of manpower, materials, supplies, equipment, water and power.

5. The exploration project:

(a) Uranium.

(b) See enclosed Geologist's reports (Enclosures No. 1 & 2).

(c) The work will start as soon as possible and will be completed within approximately 6 months.

(d) The operating experience and background of the applicamt is nil, however, the supervisor of operations is a capable Consultant Geologist who is familiar with the area.

6. Estimate of costs.

(a) 1 - Drilling 3000' @ $1.50 per ft.	$4,500.00	
2 - Bulldozer work (Clearing drilling sights 30 hrs. @ $10.00 per hr.	300.00	
3 - Probing (approx. 30 days @ $50.00 per day).	1,500.00	
4 - Reserve for coring(should it be found advisable 500' @ $4.00 per ft.	2,000.00	$8,300.00
(b) 1 - Geological examination, drilling supervision, sampling, etc. 30 days @ $112.00 per day.	$3,360.00	
2- Surveying offset locations 2 days @ $150.00 per day	300.00	3,660.00
(c) Included in drilling estimate.		
(d) Rental on Jeep 50 Days @ $20.00 per day	$1,000.00	1,000.00
(e) None		
(f) None		
(g) None		
(h) Assaying	$ 500.00	500.00
TOTAL		$13,460.00

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Page Three attached to Federal Government Form No. MF-103; Application for Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, as Amended.

7. (b) Explanation in detail:

If we desire to have the work all contracted we are in position to pay our one-fourth (1/4) in cash. However, we are contemplating purchasing a drilling machine and entering into the contracting business, naturally we would do our own work. We have consulted several contractors and the prices are standard; $1.50 per ft. for drilling, and $4.00 per ft. for coring. There are a few contractors that will do the work for less, but they require a guaranteed amount of footage; not less than 8000', which is more than we are applying for on this particular project.

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