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FILE COPY
SURNAME:

FE Johnson

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

MAR 10 1952

AIR MAIL

S.D.

Mr. Nick Luciani
234 North Walter
Albuquerque, N. M.

Re: Docket No. DMA-1221X (Uranium)
Black Rose Uranium Prospect
Sandoval County, New Mexico

Dear Mr. Luciani:

Reference is made to your application for aid for an exploration project in the amount of $40,000.00.

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

A careful study of your application and examination of the property concerned, reveals that the probability of disclosing mineable reserves by your proposed exploration program is not considered sufficiently promising to justify Government participation. Under these circumstances, I regret to advise, that your application for exploration aid is denied.

Should additional information become available, we will welcome the resubmission of your proposal for consideration.

Sincerely yours,

C. O. Mittendorf (fw)

Acting Administrator
Defense Minerals Exploration
Administration

FLKnouse/FEJohnson/jem/bih
3/6/52

cc to: Docket
Admr's. Reading
Messrs. AJKauffman R-1347
APButler R-3206
GSA Bldg.
Ellis
Knouse
FEJohnson
Field Team, Region IV (2)

J.N. 3-10-52

FILE COPY
SURNAME:
700

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

AIR MAIL

Mr. Nick Luciani
234 North Walter
Albuquerque, New Mexico

Re: Docket No. DMA-12 12 (Uranium)
Black Rose Uranium Prospect
Sandoval County, New Mexico

Dear Mr. Luciani:

Your subject application for aid for an exploration project in the amount of $40,000.00 has been carefully reviewed.

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

A very careful study of your application and examination of the property concerned, reveals that the probability of disclosing mineable reserves by your proposed exploration program is not considered sufficiently promising to justify Government participation, under these circumstances your application for exploration aid is denied.

Should additional information be available, we will welcome the re-submission of your proposal for consideration.

Sincerely yours,

Acting Administrator
Defense Minerals Exploration
Administration

APPROVED:

Member, Bureau of Mines

Member, Geological Survey

FLKnouse/jem
3/5/52
cc to: Adm. Reading File
Docket
Messrs. A.J.Kauffman, Jr., Rm. 1347
A.P.Butler, Rm. 3206 GS
Ellis
Knouse
Field Team, Region IV (2)

3/7/52 gla

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Ernest Wm. Ellis, Uranium Commodity Committee Member, DMEA
Attention: Mr. Knouse

DATE: March 6, 1952

FROM : Arthur P. Butler, Jr., Uranium Commodity Committee Member, USGS

SUBJECT: Review of field team report on DMEA Docket 1221X, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, New Mexico. Applicant: Nick Luciani.

I concur with the recommendations of the field team as made in their report of January 1952, that the exploration application of $40,000 be denied.

Arthur P. Butler, Jr.

Arthur P. Butler, Jr.

Copy to: E. Wm. Ellis-2
Dir. Reading
Div. Files
Min. Dep.
APButler, Jr.-am 3-6-52
DMEA Applicant
DMEA Docket
ARU Reading
TEPCO Reading

Mr. Knouse (Room 4640) 3/4/52

This is part of the enclosure of Mr. A. J. Kauffman, Jr. Memorandum of March 3, 1952.

Subject: DMA-Docket 1221X, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, N. M.

Miss Gleeson

3/4/52 gla

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 4 1952

March 3, 1952

Memorandum

To: F. L. Knouse,
Rare and Miscellaneous Metals Division - DMEA
Room 4640

From: A. J. Kauffman, Jr.
Rare and Precious Metals Branch

Subject: DMEA Docket 1221X, Black Rose Uranium Prospect,
Cuba Mining District, Sandoval County, New Mexico.

On the basis of the field team report, it is recommended that the exploration loan, in the amount of $40,000, be denied.

A. J. KAUFFMAN, JR.

FILE COPY
Surname:

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

March 5, 1952

Memorandum

To: F. L. Knouse,
Rare and Miscellaneous Metals Division - DMEA
Room 4640

From: A. J. Kauffman, Jr.
Rare and Precious Metals Branch

Subject: DMEA Docket 1221X, Black Rose Uranium Prospect,
Cuba Mining District, Sandoval County, New Mexico.

On the basis of the field team report, it is recommended that the exploration loan, in the amount of $40,000, be denied.

A. J. KAUFFMAN, JR.

AJKauffman, Jr:kg

Copy to: Minerals Division
Rare and Precious Metals Branch
A. J. Kauffman
F I L E S

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

March 5, 1952

Memorandum

To: F. L. Knouse,
Rare and Miscellaneous Metals Division - DMEA
Room 4640

From: A. J. Kauffman, Jr.
Rare and Precious Metals Branch

Subject: DMEA Docket 1221X, Black Rose Uranium Prospect,
Cuba Mining District, Sandoval County, New Mexico.

On the basis of the field team report, it is recommended that the exploration loan, in the amount of $40,000, be denied.

A. J. KAUFFMAN, JR.

AJKauffman, Jr:kg

Copy to: Minerals Division
Rare and Precious Metals Branch
A. J. Kauffman
F I L E S

2/27/52

MR. Knouse:

Information from the Mails & Files Div. is that when these Field reports go to the Operating Committee, two copies are taken for the BM and GS members of the Committee. I was unable to learn what they do with them; but it is apparent that we will have to circulate our copy to the Commodity men to get their comments.

Mrs. Ault

2-26-52

Please send docket to Mr. A.J. Kauffman, J.V. Rm 1347

JW

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

WASHINGTON 25, D. C.

February 13, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMA Docket 1221X, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, New Mexico

Enclosed are the original and two copies of the final report on DMEA Docket 1221X, Nick Luciani's Black Rose Uranium Prospect.

The applicant suspected the presence of uranium minerals underlying a coal seam. He submitted an application for Government assistance in exploration work estimated to cost $40,000. The preliminary phase of the exploration program consisted of driving three adits, each 100 feet long, costing $17,500. The second phase was to drive additional adits to cost $22,500.

Based on the results of a Geiger Counter field traverse and the results obtained from analyses of samples taken, the uranium content was found to be extremely low.

We concur with the conclusions and recommendations of the examining team that the exploration application of $40,000 be denied.

The brochure is also enclosed.

J. H. East, Jr.

for A. H. Koschmann

[redacted]

Mar FEB 5 1951

3BP00

Enclosures

Mining Division
Region IV

February 13, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMA Docket 1221I, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, New Mexico

Enclosed are the original and seven copies of the section on Summary, Conclusions and Recommendations by the Bureau of Mines and Geological Survey. Also enclosed are the original and 7 copies of the Engineering Report by the Bureau of Mines. These pertain to the application by Black Lantern for Government assistance in exploration work on his Black Rose Uranium Prospect estimated to cost $40,000.

The brochure is also enclosed.

We agree with the examining engineer that the application be denied.

W. H. King
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
2/21/52 TPT
(date)

Did somebody say something about duplication?

FEB 1 0 1952

MINING DIVISION
REGION IV

January 25,1952

Memorandum

To : Wm. H. King, Denver, Colorado

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : Final Report, DMA Docket 122XX, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, N. Mex.

Enclosed are original and 7 copies of the section on Summary, Conclusions and Recommendations by Elliot Gillerman of the Geological Survey and J. H. Soule' of the Bureau of Mines, and the section on Engineering by Soule'. I assume that the Geological Survey will submit a section on Geology by Gillerman, although I do not know as A. F. Shride is out of town.

This report has my approval.

The Geological Survey has the brochure.

Walter R. Storms

CC W. H. King (7)
C. A. Anderson
DMA-122XX
DF

WRStorms:frj

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

200 New Customhouse
Denver 2, Colorado

February 4, 1952

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1221X, Black Rose Uranium Prospect, Nick Luciani, Applicant, Sandoval County, New Mexico

Enclosed are the original and 10 copies of the geologic report by Elliot Gillerman of the U. S. Geological Survey covering the above docket. One copy is for L. R. Page and 2 copies are for the AEC.

It has been recommended that the loan be denied.

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

Enclosures (11)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P.O.Box 4126, University Station
Tucson, Arizona

January 30, 1952

Memorandum

To: A. H. Koschmann

From: A. F. Shride

Subject: Geologic Report, Black Rose Uranium Prospect, Nick Luciani, Applicant, Sandoval County, New Mexico

Enclosed are the original and 10 copies of the above report by Elliot Gillerman of the Geological Survey. One copy is for L. R. Page as per Procedural Instruction #5, and 2 copies are for the AEC as per the Field Team's memorandum of October 5.

This report and the recommendation that an exploration loan be denied because the property is not likely to contain uranium in commercial quantities have my approval.

A. F. Shride
Acting District Supervisor
Arizona-New Mexico

Enclosures 11

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1221X, Black Rose Uranium Prospect

Cuba Mining District

Sandoval County, N. Mex.

Elliot Gillerman, Geologist
U. S. Geological Survey

John H. Soule', Mining Engineer
U. S. Bureau of Mines

January 1952

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Elliot Gillerman[1] and John H. Soule[2]

Nick Luciani of Albuquerque, N. Mex. recently suspected the presence of uranium minerals in rock formations underlying a coal seam that he is working. This property is located in the Cuba Mining District in Sandoval County, N. Mex. and is about 7 miles south of the town of Cuba.

To explore for uranium, Luciani applied to the Defense Minerals Administration for Government assistance in a project to cost $40,000. The application, Docket DMA 1221X, was sent to the field for an examination of the property. The cost of the project was to be 10 percent by the applicant and 90 percent by the Government.

The coal seam is in the lower beds of the Mesa Verde formation of Upper Cretaceous age. The underlying, alternating beds of shale and sandstone were supposed to contain the uranium minerals.

The area of the proposed project was traversed with a very sensitive Geiger Counter and samples were taken in old trenches where uranium minerals were reported. The samples were tested independently by both members of the examining team. Two of the samples were sent to a commercial assayer for analysis.

The results obtained were all negative, showing that no uranium minerals are present in the areas sampled. Because there are no uranium minerals present, it is recommended that the application for Government assistance be denied.

1/ Geologist, U. S. Geological Survey
2/ Mining engineer, U. S. Bureau of Mines

THE BLACK ROSE URANIUM PROSPECT
NICK LUCIANI, APPLICANT
SANDOVAL COUNTY, NEW MEXICO

DMA 1221X

URANIUM

Geology

By
Elliot Gillerman
Geologist, U. S. Geological Survey

THE BLACK ROSE URANIUM PROSPECT
NICK LUCIANI, APPLICANT
SANDOVAL COUNTY, NEW MEXICO

DMA 1221X

URANIUM

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SUMMARY

The Black Rose deposit is in the W½, NE¼, Sec. 4, T. 19 N., R.1 W., about 8 miles south of Cuba, in Sandoval County, New Mexico. The property is under lease from the Federal Government to Mr. Nick Luciani, of Albuquerque, New Mexico.

The Black Rose coal mine is in the lower part of the Mesaverde formation of Upper Cretaceous age. About 50 feet below the coal bed is a 35-foot thick bed of grayish brown carbonaceous shale containing abundant carbonaceous plant remains and blebs of resin. This bed was reported to contain uranium minerals, but a geiger counter traverse failed to show any appreciable radioactive material. Samples taken in old trenches and tested with a Berkeley Scaler in the office substantiated the field results.

GEOLOGY

The Black Rose uranium deposit is in the lower part of the Mesaverde formation, of Upper Cretaceous age. In this general area, the Mesaverde formation consists of about 1,200 feet of alternating beds of massive brown or buff-colored sandstone, grayish-brown shales, and coal. The coal beds in the upper and lower parts of the formation are of considerable thickness, but those in the middle part are thinner.

At the Black Rose deposit, the beds dip about 13 degrees S. 75° W. A 12 foot coal bed, which is currently being mined, is overlain by a bed of massive buff-colored sandstone. Below the coal are a series of alternating sandstones, clays, shales, and carbonaceous shales. About 50 feet below the base of the coal is a bed of carbonaceous shale 30-35 feet thick. A thin bed of buff sandstone, 3-10 feet thick splits the bed at a point 12 feet below the top of the bed. The shale is dark brownish gray, gritty, and contains abundant carbonaceous plant remains and numerous associated blebs of resin which burn upon ignition. The carbonaceous plant remains and the blebs of resin are particularly abundant at the very top of the shale. Below the carbonaceous shale is a bed of gray shale, and below this another bed of carbonaceous shale similar to that above.

Uranium minerals were reported to be present in the carbonaceous shale. Three trenches had been excavated across the uppermost bed and sampled for uranium. During the examination of the property a gieger counter traverse was run across the north and center trenches. The traverse was made with a Victoreen Model 263-B Beta-Gamma Geiger Counter, equipped with a 2 x 20 copper probe. Background count

was about 8-10 divisions on the 0.2 scale. At no time during the traverse did the counter register more than 15 divisions on the 0.2 scale, and usually the needle hovered between 8 and 12 divisions on the 0.2 scale. The largest geiger readings were measured in the following portions of the stratigraphic section: (a) at the very top of the bed, (b) just above the parting sandstone, and (c) about 15 feet above the base of the bed.

SAMPLING

Samples were taken at three points in the north and center trenches where maximum readings on the geiger counter were obtained. These samples were crushed and ground to size and the eU, or equivalent uranium measured by means of a Berkeley Scaler. The results obtained were as follows:

Sample No.	Locality	% eU
1	Top of north trench	.001 plus
2	5 feet above parting sandstone, center trench	.0014
3	About 15 feet above base of bed, center trench	.0017

CONCLUSIONS

The geiger counter traverse in the field failed to indicate any appreciable quantity of uranium in the shale. This was substantiated by the results obtained from checking the samples with the Berkeley Scaler, and also by the assay reports of samples sent by the Bureau of Mines to Hawley and Hawley, commercial assayers, of Douglas, Arizona (results of the assays are reported in the Bureau of Mines report on the Black Rose property). The lowest grade of uranium ore purchased today is 0.1% U. Since all tests showed the U content of the shale to be considerably below this figure, the deposit is not considered commercial.

RECOMMENDATIONS

Based on the above conclusions, it is recommended that the application for Government assistance in exploring the Black Rose uranium prospect, DMA 1221X, be denied.

DMA-1221X, BLACK ROSE URANIUM PROSPECT
CUBA MINING DISTRICT
SANDOVAL COUNTY, N. MEX.

Engineering Report

By John H. Soule'
Mining Engineer
U. S. Bureau of Mines

January 1952

DMA-1221X, BLACK ROSE URANIUM PROSPECT
CUBA MINING DISTRICT
SANDOVAL COUNTY, N. MEX.

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INTRODUCTION

Nick Luciani of 234 North Walter Street, Albuquerque, N. Mex., and of Cuba, N. Mex., has operated the Black Rose coal mine for a number of years. Recently he suspected the presence of uranium minerals in certain sedimentary beds underlying the coal seam that he is mining. An investigation of the uranium-bearing material was made for Luciani by A. B. Woodward, Jr., a professional engineer. Upon the strength of this engineer's report, Luciani applied to the Defense Minerals Administration for Government assistance in exploring for uranium. The application, Docket DMA 1221X, suggested a project to cost $40,000, of which the Government was to furnish 90 percent of the funds.

The brochure was sent to the field and an examination of the property was requested. This examination was made on December 5, 1951. The results are reported herewith.

ACKNOWLEDGMENTS

Acknowledgment is made to Nick Luciani for his courtesy in showing the Black Rose property to the examining team. Acknowledgment also is made of the use of the material contained in the examination report by A. B. Woodward, Jr., Registered Professional Engineer, who was retained by Luciani to examine the property.

LOCATION, TOPOGRAPHY AND CLIMATE

The Black Rose property is located about 7 miles south of Cuba, Sandoval County, N. Mex., or about 75 miles northwest of Albuquerque, N. Mex. The property is reached by traveling north from Albuquerque

to Bernalillo, and thence nearly 60 miles northwest from Bernalillo on paved State Highway 44 as shown in figure 1. The Black Rose mine lies just west of the highway and is the first coal mine encountered adjacent to the highway, the tipple being less than 100 yards from the road. A more exact location of the mine would be in the W½, NE¼, Sec. 4, T. 19 N., R. 1 W., very near the eastern limits of the Luciani lease.

The terrain is semi-rugged, consisting of low rocky hills typical of areas of sloping sedimentary formations where erosion is more pronounced in softer shale beds and less marked in the more resistant sandstone beds. To the east in the Nacimiento Mountains the terrain becomes more rugged while it eases to the west toward the Rio Puerco. The mean altitude of the property is approximately 6,750 feet above sea level.

Juniper, Pinon pine, and cedar comprise the bulk of the vegetation, augmented by cactus, range grasses and shrubs. Timber suitable for mining purposes exists in the Nacimiento Mountains a few miles to the east, and a small saw mill operates at Cuba, a few miles to the north.

The mean annual precipitation is estimated to be about 16 inches, largely as summer thunder showers with some winter snow. Freezing winter temperaturs may be severe, but usually are not prolonged. Summer temperatures may exceed 100 degrees for short periods of time.

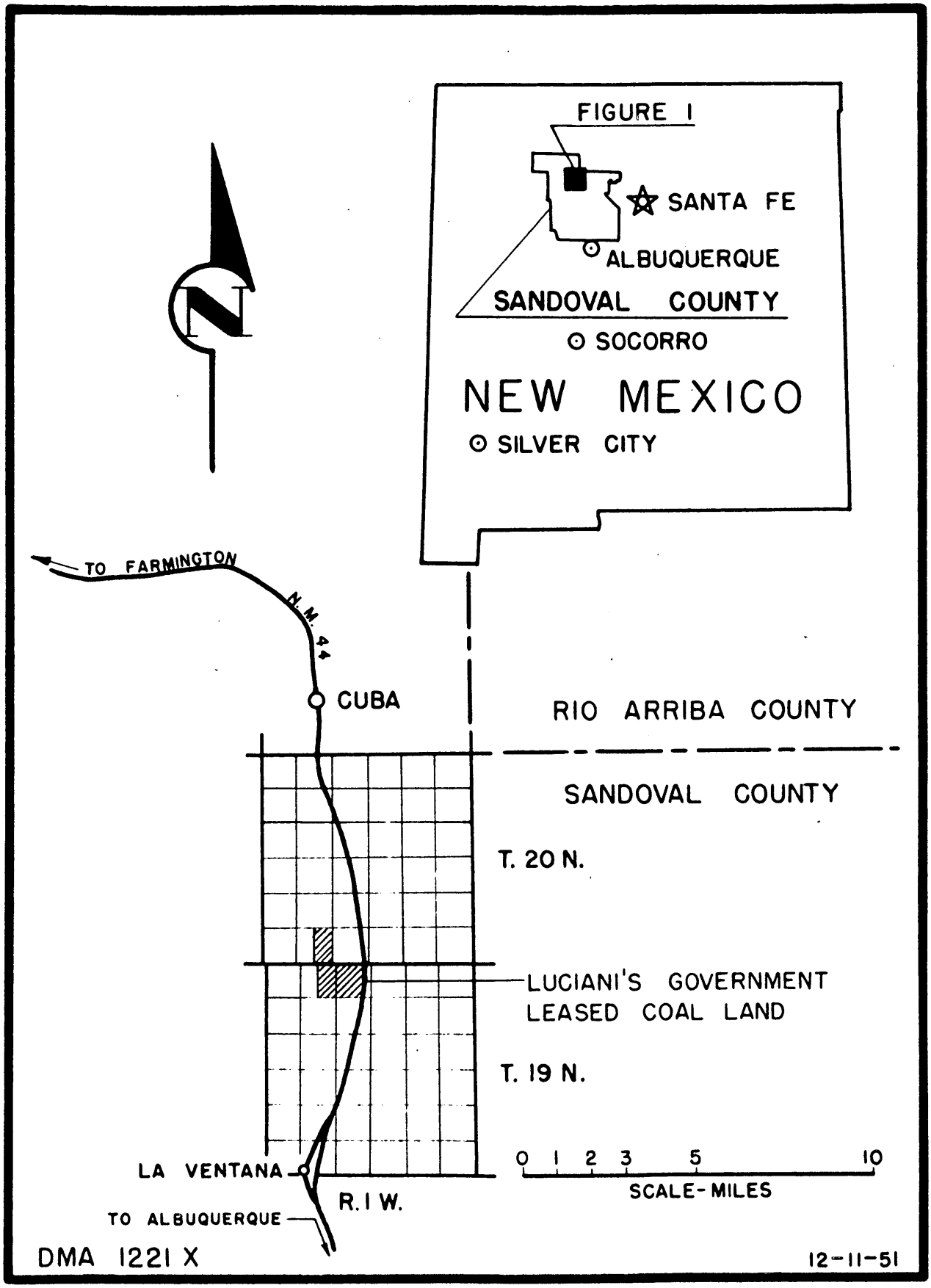

FIGURE 1.-LOCATION MAP, BLACK ROSE URANIUM PROSPECT, SANDOVAL COUNTY, NEW MEXICO

There are no permanent streams in the immediate area although the Rio Puerco, about 3 miles to the west, flows throughout most of the year. There are a few springs in the Nacimiento Mountains to the east. There is no information on the depth of the water table but it is expected to lie fairly close to the surface at a depth probably not over 200 feet.

Only limited living accommodations exist at the mine, consisting of small, portable, one-room shacks. Limited minor supplies may be obtained at Cuba to the north, but major mining equipment is available no closer than Albuquerque, 75 miles to the southeast. The nearest railhead is at Bernalillo, where rail freight and express service is available.

HISTORY AND PRODUCTION

Coal has been mined in the Cuba district for many years. Nick Luciani has operated the Black Rose mine for a few years, having acquired his lease in 1944. Outside of some desultory attempts to mine copper to the north and east, and the recent interest in uranium, there has been no mining activity other than coal. No production of uranium minerals has been made from the Black Rose mine.

OWNERSHIP AND EXTENT

Nick Luciani has leased from the Federal Government, 1,091 acres of coal-bearing land. The lease, Coal Lease Serial No. 052740, was approved by the Assistant Secretary of the Interior in 1944 and embraces the following lands: E½, Sec. 32, T. 20 N., R. 1 W., W3/4, Sec. 4 and E½ Sec. 5, T. 19 N., R. 1 W. This is shown in figure 1.

GEOLOGY[1]

The Black Rose coal mine is in the lower part of the Mesa Verde formation of Upper Cretaceous age. Beneath the 12-foot coal bed is a series of alternating buff-colored massive sandstones and gray shales. About 50 feet below the base of the coal bed is a 35-foot bed of grayish-brown gritty carbonaceous shale containing abundant carbonaceous plant remains and blobs of resin, particularly near the top. This bed was reported to contain uranium. A Geiger counter traverse with a Victoreen Model 263-B Beta-Gamma counter equipped with a 2 by 20 copper probe failed to show any appreciable quantities of radioactive material. Samples taken in the old trenches and tested with a Berkeley scaler substantiated the field results.

ORE RESERVES

Three samples were taken of supposedly uranium-bearing ground. These samples were taken from trenches where previous sampling had been done by a consulting engineer. The two most northerly trenches, as well as much intervening ground, were traversed with a Victoreen Model 263-B Geiger counter with a 2 by 20 copper probe. The samples were taken at points that may have shown a slight bit of radioactivity. The samples were reduced and portions were cut for the Geological Survey member of the examining team and cuts were retained by the Bureau of Mines. Portions of these latter cuts were further split and two samples submitted to a commercial assayer who analyzed the samples submitted by the private engineer. The assay results are shown in the following table.

1/ Gillerman, Elliot, Geologist, U. S. Geological Survey.

TABLE 1
ASSAY RESULTS, BLACK ROSE URANIUM PROSPECT

Sample location	Sample length		Sample results (assays)				
			Chemical by Hawley & Hawley		Spectrograph John Herman	Radioactivity	
	Woodward	DMA	Woodward	DMA	Woodward	Berkeley Scaler, U.S.G.S.	Geiger Counter, U.S.B.M.
Trench 1 (south)	49.5 ft.	N.S.	0.09% U_3O_8	----	None	----	----
Tremnh 2 (center)	57.0 "	5 ft. above middle ss.	0.08 "	None	-----	.0014 Eu	*0.005
		8 ft. below middle ss.		None	-----	.0017 EU	*0.005
Trench 3 (north)	25.5	3 ft. at top	0.10	-----	-----	.001 EU	*0.005
Standard-.005 U_3O_8	----	-----	-----	None	-----	-----	0.005

N.S. - Not Sampled
EU - Equivalent Uranium
* - Less than

Based upon the results shown in the foregoing table, if any uranium minerals exist in the area studied, they exist only in minute quantities. There are no reserves of uranium minerals beneath the Black Rose coal mine.

No attempt is made to explain the discrepancies noted between the sample results obtained by the consulting engineer and the DMA examining team other than that the DMA field team check was made with a very sensitive counter capable of more precise work than the usual commercial counters. No information is available on the type of counter used by the consulting engineer.

CONCLUSIONS

The following conclusions were reached after an examination of the Black Rose uranium prospect, followed by an analysis of the samples taken:

1. If any uranium is present, it exists in minute quantites;

2. Because of the above, there are no ore reserves on that portion of the property previously reported to contain uranium.

RECOMMENDATIONS

Based upon the foregoing conclusions, it is recommended that the application, Docket DMA 1221X, for Government assistance in exploring the Black Rose uranium prospect be denied.

2/26/52 gh

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

224 New Customhouse
Denver 2, Colorado

February 13, 1952

Memorandum

To: Secretary to the Operating Committee, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMA Docket 1221X, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, New Mexico

Enclosed are the original and two copies of the final report on DMEA Docket 1221X, Nick Lusiani's Black Rose Uranium Prospect.

The applicant suspected the presence of uranium minerals underlying a coal seam. He submitted an application for Government assistance in exploration work estimated to cost $40,000. The preliminary phase of the exploration program consisted of driving three adits, each 100 feet long, costing $17,500. The second phase was to drive additional adits to cost $22,500.

Based on the results of a Geiger Counter field traverse and the results obtained from analyses of samples taken, the uranium content was found to be extremely low.

We concur with the conclusions and recommendations of the examining team that the exploration application of $40,000 be denied.

The brochure is also enclosed.

J. H. East, Jr.

for A. H. Koschmann

Enclosures

Mining Division
Region IV

February 13, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMA Project 1221X, Black Rock Uranium Prospect, Cuba Mining District, Sandoval County, New Mexico

Enclosed are the original and seven copies of the section on Summary, Conclusions and Recommendations by the Bureau of Mines and Geological Survey. Also enclosed are the original and 7 copies of the Engineering Report by the Bureau of Mines. These pertain to the application by Black Lagoon for Government assistance in exploration work on his Black Rock Uranium Prospect estimated to cost $48,000.

The brochure is also enclosed.

We concur with the examining engineer that the application be denied.

W. H. King
W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE

2-25-52
(date) GLB

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

200 New Customhouse
Denver 2, Colorado

February 4, 1952

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1221X, Black Rose Uranium Prospect, Nick Luciani, Applicant, Sandoval County, New Mexico

Enclosed are the original and 10 copies of the geologic report by Elliot Gillerman of the U. S. Geological Survey covering the above docket. One copy is for L. R. Page and 2 copies are for the AEC.

It has been recommended that the loan be denied.

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

Enclosures (11)

Date Rec'd

FEB 1 - 1952

BUREAU OF MINES
Denver, Colorado

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Arizona-New Mexico Branch
SOUTHWEST EXPERIMENT STATION
Box 4097
UNIVERSITY STATION

MINING DIVISION
REGION IV

TUCSON, ARIZONA

January 30, 1952

Memorandum

Register

To : Wm. H. King, Acting Chief, Mining Div., Region IV

From : Chief, Arizona-New Mexico Br., Mining Div., Region IV

Subject : Brochure for DMA Docket 1221X, Nick Luciani's Black Rose Uranium (?) Mine, Sandoval County, N. Mex.

Enclosed is brochure for the above docket which the Geological Survey has just turned over to me.

Our report on this property was mailed to you on January 25.

FEB 1 0 1952

Walter R. Storms

Walter R. Storms

CC - 1221X
DF

FOR VICTORY
BUY UNITED STATES SAVINGS BONDS AND STAMPS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P.O.Box 4126, University Station
Tucson, Arizona

January 30, 1952

Memorandum

To: A. H. Koschmann

From: A. F. Shride

Subject: Geologic Report, Black Rose Uranium Prospect, Nick Luciani, Applicant, Sandoval County, New Mexico

Enclosed are the original and 10 copies of the above report by Elliot Gillerman of the Geological Survey. One copy is for L. R. Page as per Procedural Instruction #5, and 2 copies are for the AEC as per the Field Team's memorandum of October 5.

This report and the recommendation that an exploration loan be denied because the property is not likely to contain uranium in commercial quantities have my approval.

A. F. Shride
Acting District Supervisor
Arizona-New Mexico

Enclosures 11

FEB 16 1952

MINING DIVISION
REGION IV

January 25,1952

Memorandum

To : Wm. H. King, Denver, Colorado

From : Chief, Arizona-New Mexico Dr., Mining Div., Region IV

Subject : Final Report, DMA Docket 1221X, Black Rose Uranium Prospect, Cuba Mining District, Sandoval County, N. Mex.

Enclosed are original and 7 copies of the section on Summary, Conclusions and Recommendations by Elliot Gillerman of the Geological Survey and J. R. Soule' of the Bureau of Mines, and the section on Engineering by Soule'. I assume that the Geological Survey will submit a section on Geology by Gillerman, although I do not know as A. F. Shride is out of town.

This report has my approval.

The Geological Survey has the brochure.

Walter R. Storms

CC W. H. King (7)
C. A. Anderson
DMA-1221X
DF

WRStorms:frj

330

FILE COPY
SURNAME:

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

A.E.E. - Gordon, Bourret, Lyon, Moore, AMP

OCT 10 1951

Mr. Nick Luciani
234 North Walter
Albuquerque, New Mexico

Re: DMA-1221x
Uranium

Dear Mr. Luciani:

Your application, docket 1221x, for an exploration project in the amount of $40,000, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team IV, Mr. J. H. East Jr., 224 New Customhouse Building, Denver 2, Colorado, who will get in touch with you if necessary

Yours very truly,

SIGNED

Tom Lyon, Director
Supply Division

10-10

EGordon/mh 10-3-51
cc: Adm. Read. File
Keiser, USGS
Hosted, USGS
Bourret
Lyon
Field team IV
DMA docket file

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

OCT 10 1951

REGIONAL DIRECTOR'S
OFFICE
REGION IV
OCT 11 1951
BUREAU OF MINES
DENVER, COLORADO

Mr. J. H. East Jr.
224 NewCustomHouse Building
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. 1221x

Commodity: Uranium

Applicant: Nick Luciani

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

for Tom Lynn, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Clay T. Roy
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1221X

Commodity Uranium

Total Amount $40,000

Govt. Participation $36,000

1. Name and Address of Applicant Nick Luciani

234 North Walter, Albuquerque, New Mexico.

2. Location of Property Sandoval County, New Mexico.

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes.

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination

e) Is there an alternative and favorable project? Report by Field Team is required. See Item 17
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Not needed

Does the lease have sufficient time to run to cover a future productive period? ?

*question numbers are those of MF-103

7. Are subordination agreements necessary? Assume no

a) MF-201? _____

b) MF-202 ✓

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Don't know

b) Equipment and supplies " "
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* yes

d) Water (question 13)* ?

e) Power (question 13)* ?

Is a field check needed on any of these points? yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* yes

_____

Is a field check needed on this point? no

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? No

If not, are there sufficient data given so that you can describe the project? No If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? no

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? yes

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed? No

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? _____

f) Should more information be requested from applicant? No

g) Is a field examination necessary to complete Exhibit A? No

11. Exhibit B (question 23-d)*

a) Is it applicable? ?

b) If so, are sufficient data furnished? No If so, attach a draft.

c) Is a field check needed? No

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? ?

b) Sufficient data? No If so, attach a draft.

c) Are rents and charges reasonable? ?

d) Is a field check needed? No

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? No

b) Is the schedule adequate for the work proposed? ?

c) Is the schedule excessive for the work proposed? ?

d) Are the proposed wages and salaries reasonable? ?

e) Is a field check needed? No

14. Exhibit E (question 23-c)*

a) Is it applicable? ?

b) Sufficient data? No.

c) Reasonable? ?

d) Field check needed? No

15. In your judgment, can the proposed work be done in the proposed time? [illegible] how much work has [illegible] to do.

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Suggest that the Field Team contact Mr. Lincoln R. Page, U.S.G.S., Denver Federal Center, Denver, Colorado. If projects are commendable, please instruct applicant to submit a definite, well described program with complete supporting data and exhibits for contract

Reviewed by: [illegible]

H W Peck U.S.G.S.

J.D. Hosted AEC

Date October 2, 1951

INT.-DUP. SEC., WASH., D.C. 99009

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

OCT 1[illegible] 1951

Mr. Rick [illegible]
[illegible] North [illegible]
Alamogordo, New Mexico

Ref [illegible]-1221x
Uranium

Dear Mr. [illegible]:

Your application, docket 1221x, for an exploration project in the amount of $40,000, has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of our Field Team IV, Mr. J. H. [illegible] Jr., [illegible] New Customhouse Building, Denver 2, Colorado, who will get in touch with you if necessary.

Yours very truly,

SIGNED
Tom Lyon, Director
Supply Division

Jordon/mh 10-3-51
cc: [illegible] File
[illegible]
[illegible]
Bourquet
Lyon
Field Team IV
[illegible] Docket File

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

OCT 18 1951

Mr. Nick Mariani
[illegible] North Silver
Albuquerque, New Mexico

Ref [illegible]-1221k
Uranium

Dear Mr. Mariani:

Your application, docket 1221k, for an exploration project in the amount of $40,000, has been received by the Silver and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of the field team 19, Mr. J. H. Faat Jr., 2-4 New Customhouse Building, Denver 2, Colorado, who will get in touch with you if necessary.

Yours very truly,

SIGNED

Tom Lyon, Director
Supply Division

Lucerden/ah 10-[illegible]-51
cc: Fds. Tech. File
Calmer, U.S.G.
Hosted, U.S.G.
Bourquet
Lyon
Field team 19
DMA docket file

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1221 X

Date received 5/21/51

Participation

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

FILL IN THIS BLOCK

Date of application 5/9/51

Estimated cost 40,000.00

Mineral or metal Uranium

Percentage of Government participation 36,000.00

Location of mine Sandoval County

Cuba

Date of filing MF-100 5/5/51

DMA Docket Number, if available Dma-1221 X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. 50 Years Nick Luciani

*5. Are you the owner or the lessee of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

7. If lessee, attach a copy of the lease and state if it is in good standing. ~~Xea XXXXXXXXXXXX~~ Gov. Lease #052740 In Good Standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Attached

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Rick Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1221 X

Date received 5/21/51

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Coal
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 1600 Ft.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. No Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 50 Miles from Bernalillo, New Mex.
   (*b*) Mining district. #18 Sec. 4, E½ Sec. 5, Twp 19N. E ½ Sec. 32, Twp 20N, all in
   (*c*) Township, Section, Range. Range 1 w, NMPM., Except the E½ of Sec. 4. ?
   (*d*) County, State. Sandoval County
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production & 7 Years Coal Mine

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 50 Years coal Mining and other Minerals
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Not Suspended
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Coal
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. See Letter

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Coal	2500	2500	1500	150
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)	Coal	2500	2500	1500	150

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. If Contracts Received Production can be doubled.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Do not know	exactly, but	Geiger counter	test proved	traces of
	radioactive	material	and analysis	and depth of	this material
Indicated (probable)	will have to	be made.	The analysis	test made by	
	Jack C. Pierce of New Mex. Mines & Prosp. Assn.				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each. Enclosed

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: All Paved roads to and from Mine

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Spring, runing water year round supply

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof. Ons electric power Plant

16. Labor: 10

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

Power shovel, power digger, Hoist trucks etc.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Nick Luciani
(Signature of authorized official)

May 14-1951
(Date)

Owner
(Title)

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.

NICK LUCIANI D.B.A
BLACK ROSE COAL MINE
FINANCIAL STATEMENT
MAY 1, 1951

ASSETS

CURRENT ASSETS:-			
Cash on hand and in Bank		2,000.00	
Total Current Assets			2,000.00
FIXED ASSETS:-			
Mine Cabins & Block House	5,500.00		
Reserve for Depreciation	980.00	4,520.00	
Mine Equipment & Machinery	36,170.00		
Reserve for Depreciation	9,041.63	27,128.37	
Trucks	10,470.00		
Reserve for Depreciation	7,446.64	3,023.36	
Total Fixed Assets			34,671.73
OTHER ASSETS:-			
28,000 Tons of Stripped Coal ready for loading @cost		12,000.00	
Total Other Assets			12,000.00
Total Current, Fixed & Other Assets			48,671.73

LIABILITIES & NET WORTH

CURRENT LIABILITIES:-		
Notes Payable	2,000.00	
A/C Payable	3,000.00	
Total Current Liabilities		5,000.00
FIXED LIABILITIES:-		
Chattle Mortgages-First Nat'l Bank	4,500.00	
U. S. Rental-Leased Property	1,500.00	
Total Fixed Liabilities		6,000.00
NET WORTH:-		
Nick Luciani Capital		37,671.73
Total Liabilties & Net Worth		$48,671.73

NICK LUCIANI D.B.A
BLACK ROSE COAL MINE
FINANCIAL STATEMENT
MAY 1, 1951

ASSETS

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NICK LUCIANI D.B.A
BLACK ROSE COAL MINE
FINANCIAL STATEMENT
MAY 1, 1951

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Reserve for Depreciation	9,041.63	27,128.37	
Trucks	10,470.00		
Reserve for Depreciation	7,446.64	3,023.36	
Total Fixed Assets			34,671.73
OTHER ASSETS:-			
28,000 Tons of Stripped Coal ready for loading @cost		12,000.00	
Total Other Assets			12,000.00
Total Current, Fixed & Other Assets			48,671.73

LIABILITIES & NET WORTH

CURRENT LIABILITIES:-		
Notes Payable	2,000.00	
A/C Payable	3,000.00	
Total Current Liabilities		5,000.00
FIXED LIABILITIES:-		
Chattle Mortgages-First Nat'l Bank	4,500.00	
U. S. Rental-Leased Property	1,500.00	
Total Fixed Liabilities		6,000.00
NET WORTH:-		
Nick Luciani Capital		37,671.73
Total Liabilties & Net Worth		$48,671.73

NICK LUCIANI D.B.A.
BLACK ROSE COAL MINE
CUBA NEW MEXICO
1-1-50 to 12-31-50
PROFIT & LOSS STATEMENT

Sales:		8,400.00
Production Labor	2,904.00	
U. S. ~~Royalty~~ Rental	1,500.00	4,404.00
Gross Profit		3,996.00
Cost of Operations:		
Safety Timbers	240.00	
Depreciation	3,424.65	3,664.65
Net Profit		$ 331.35

SCHEDULE OF DEPRECIATION 1950

KIND OF PROPERTY	DATE ACQUIRED	COST	DEPREC PRIOR YRS.	REMAIN COST	ESTIM LIFE	REMAIN LIFE	DEPREC. 1950
7 Mine Cabins	1946	3000.00	360.00	2640.00	25 Yrs	22 Yrs	120.00
L Block House	1946	2500.00	375.00	2125.00	25 "	22 "	125.00
Mine Tipple	1945	16200.00	2592.00	13608.00	25 "	21 "	648.00
Elect. Power Plant	1945	7400.00	1973.32	5426.68	15 "	11 "	493.33
Electric Cutter	1/1/50	2600.00	.00	2600.00	15 "	15 "	173.33
Blksmith Shop Complete	1948	460.00	46.00	414.00	20 "	18 "	23.00
Platform Scale	1945	1700.00	453.32	1246.68	15 "	11 "	113.33
Electric Hoist	1948	1200.00	160.00	1040.00	15 "	13 "	80.00
Gasoline Hoist	1945	450.00	120.00	330.00	15 "	11 "	30.00
Power Shovel	1948	2800.00	560.00	2240.00	10 "	8 "	280.00
Rails & Ties	1945	1200.00	480.00	720.00	10 "	6 "	120.00
1500 Ft Dble Ins. Wire	1946	1500.00	225.00	1275.00	20 "	17 "	75.00
2000 Ft Steel Cable	1948	660.00	264.00	396.00	5 "	3 "	132.00
Diamond T Truck 3 Ton	1943	4400.00	3400.00	1000.00	6 "	1 "	.00
" " " " 2 Ton	1947	3800.00	1899.99	1900.01	6 "	3 "	633.33
" " " " Pickup	1947	2270.00	1134.99	1135.01	6 "	3 "	378.33
		52140.00	14043.62	38096.38			3424.65

NICK L'CIANI D.B.A.
BLACK ROSE COAL MINE
CUBA NE' MEXICO
1-1-50 to 12-31-50
PROFIT & LOSS STATEMENT

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		52140.00	14043.62	38096.38			3424.65

Dma-1221 X

T. M. CRAMER, PRESIDENT JOHN A. WOOD, 1ST VICE-PRES. T. A. SNEDDEN, 2ND VICE-PRES. JACK C. PIERCE, SEC.-TREAS.

NEW MEXICO MINERS & PROSPECTORS ASSOCIATION

OFFICE OF THE SECRETARY
ROOM 10, BARNETT BLDG.
P. O. BOX 503
ALBUQUERQUE, NEW MEXICO

DIRECTORS
E. C. IDEN, ALBUQUERQUE
J. A. FREEMAN, JR., GRANTS
HORACE MOSES, SANTA FE
GEORGE T. HARLEY, CARLSBAD
C. S. ELAYER, SILVER CITY
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ALLAN B. BOWMAN, LORDSBURG
HOMER C. HIRSCH. EL PASO
J. T. LEWIS, JR., BAYARD

May 7, 1951

TO WHOM IT MAY CONCERN:

Several weeks ago I had occasion to check for radioactivity a small specimen of carbonaceous material for Mr. Nick Luciani of Albuquerque. Today I checked a pile containing over 100 lbs. of the same material in his back yard at 234 N. Walter. This material is, according to Mr. Luciani, from a stratum below a coal bed at his coal mine in the Cuba, New Mexico area.

My analyses on both the above mentioned occasions was made with a portable-type Geiger Counter and revealed a trace of radioactivity in the material.

Since another analyst has detected trace amounts of radioactivity in this lignitic material I would recommend that some further test work be done on the deposit to determine if it is interesting for exploration as a possible source of radioactive mineral.

Respectfully submitted,

Jack C. Pierce

Jack C. Pierce, Secretary-Treasurer
N. M. MINERS & PROSPECTORS ASSOCIATION

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

SEP 24 8 39 AM '51

Albuquerque, New Mexico
September 19, 1951

Weston Bourret, Acting Chief
Minor and Rare Metals Branch
U. S. Department of Interior
Defence Minerals Administration
Washington 25, D. C.

RE: Uranium-Sandoval County
New Mexico D.M.A. Docket 122 1x

Dear Mr. Bourret:

In reply to your letter of May 25, 1951, re; additional data to support my application for a development loan, I have retained Mr. A. B. Woodward, Jr. New Mexico Licensed Professional Engineer No. 1159 to examine and report on the Uranium prospect.

The enclosed report answers questions No. 21 and 22 which were checked in your letter.

I will accompany your engineers to the property when you wish to send then.

Very truly yours,

Nick Luciani

Nick Luciani

OFFICAL FILE COPY

To	Init.	Date
330	a EC	9-24
210		

BLACK ROSE MINE

SANDOVAL COUNTY

NEW MEXICO

Report by

A. B. Woodward, Jr.

P. E. No. 1159

September 19-1951

SUMMARY AND CONCLUSION:

1. There is no development with the uranium area.

2. The presence of a large low grade uranium ore body is indicated by the sample results as returned by Hawley & Hawley.

3. The uranium occurs as carnotite and probably as one of the black uranium minerals.

4. Based on field observation and the spectrographic analysis the lime content will be very low.

5. Based on field observation it is believed that very poor cores would result from diamond drilling.

6. The surface indications warrant a limited exploratory program within the area mapped. This program should be based on 3 Adits 100 feet long following the lowest horizon shown containing uranium on the sections. Each Adit should have three raises driven to the top of the uranium formation.

7. The cost of preliminary development should approximate $17,500 and should be completed within 120 days from start of actual development work.

8. If the program develops sufficient ore more Adits should be driven into the bluff to the south of the original area and the original Adits extended to the westward. Additional exploration should cost $22,500 and require 150 days.

9. If low grade ore is developed it will be necessary to establish an ore buying depot close by for present ore buying depots are located too far away to permit the shipping of anything but very high grade ore.

LOCATION:

The Black Rose Uranium Prospect is located on the Southwest side of State Highway No. 44, some 8 miles South of Cuba, Sandoval County, New Mexico. The nearest railroad station is at Bernalillo, Sandoval County, some 56 miles to the Southwest.

MINE PROPERTY-OWNERSHIP:

The mine property consists of 1091 acres of land, more particularly described as the West 3/4 of Section 4 and the East ½ of Section 5, Township 19 North, Range 1 West and the East ½ of Section 32, Township 20 North, Range 1 West N. M. P. M.

Possessory title is vested in NICK LUCIANI of Albuquerque, New Mexico, through the assignment of Coal Lease Serial No.052740-Santa Fe-which assignment was approved February 22, 1944 by the Assistant Secretary of Interior, Oscar L. Chapman.

CLIMATE-TOPOGRAPHY-VEGETATION:

The climate is very arid. The winters are cold with temperatures dropping to zero. There is very little snow. The summers are warm with temperatures reaching 110°. Most of the annual precipitation falls in July and August.

The topography is typical of desert erosion of sandstones, shales and clays with no major escarpments such as are caused by major faulting or folding.

Vegetation is sparse. A few cedars and junipers dot the area.

WATER SUPPLY:

Presently there are no wells or springs on the mine property and water is hauled from Cuba some 8 miles to the North.

A deep well would probably encounter water which might or might not be fit for domestic use depending on the saline content; but without doubt could be used for mine and bathing purposes.

POWER:

An electric power line running South from Cuba has been authorized by the local power company. When this line is completed electric power will be available within a short distance of the uranium prospect.

TRANSPORTATION:

The prospect is located a few hundred feet from the Highway. Regular bus service will care for passengers. Truck haul between the prospect and Bernalillo (R. R. Point) can be contracted for $3.00 per ton.

GEOLOGY:

The entire surface of the property shows exposures of the Mesa Verde Formation of Cretaceous Age. The uranium is found in two or more beds of highly carboniferous clay containing beds and or lenses of decayed wood. This bedding is overlain by clay. Sandstone and a 12 foot thick bed of coal. As evidenced to the North there should be another bed containing decayed wood below the beds sampled. This lower bed is obscured by alluvial where samples were taken.

The general dip of this area approximates 13° SW and the strike N. 12° W.

There are no major faults in the area considered. There are a few fracture zones and minor faults with displacement up to six feet.

Many fossils are seen in the bedding over the beds sampled. Excellent exposures of the beds considered are seen on the bluff area shown on the map and sections.

SAMPLING AND ASSAYING:

It was noted that the geiger counter showed a slight reaction over a large area and it was though from this evidence that the area would contain traces of Uranium and that possibly there would be zones of mineable ore.

Three trenches were cleared down to rock in place, as shown on the map and sections and continuous cuts were made in the bottom of each trench. In no place was there any visable high grade ore and only minor stains of carnotite were seen mainly in the decayed wood at the top of each cut. These samples were cut so that approximately one pound of material represented one foot cut. They were broken down by hand to minus 3/4 inch and quartered until a sample of approximately 10 pounds resulted. These samples were sent to Hawley & Hawley, Assayers and Chemists, Douglas, Arizona.

The Following tabulation gives the pertinent data and assay results:

Sample No.	Length Cut	Thickness Represented	Percent U_3O_8
1	25.5	18.0	0.10
2	57.0	33.5	0.08
3	49.5	35.0	0.09

A spectrographic Qualatative Analysis was made of sample No. 3 by the John Herman Laboratory, Los Angeles, California and the results are as follows:

Silicon	Main Constituent
Aluminum	10%
Iron	1-10%
Potassium	0.1-1%
Sodium	0.1-1%
Magnesium	0.1-1%
Calcium	0.1-1%
Titanium	0.1%
Lead	0.01-0.1%
Barium	0.01-0.1%
Strontium	0.01-0.1%
Zirconium	0.01-0.1%
Copper	0.01%
Manganese	0.01%
Baron	0.01%
Vanadium	0.001-0.01%
Chromium	0.001-0.01%
Gallium	0.001%
Nickel	0.001%

It will be noted that the spectrographic does not show the presence of uranium. The report states "All metals which do not appear in the report are not present." However both the geiger counter and the assayer show the presence of Uranium.

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 TWELFTH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF Mr. A. B. Woodward, Jr.

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
	Black Roses		% Uranium U_3O_8							
246975	#1		0.10							
246976	#2		0.08							
246977	#3		0.09							

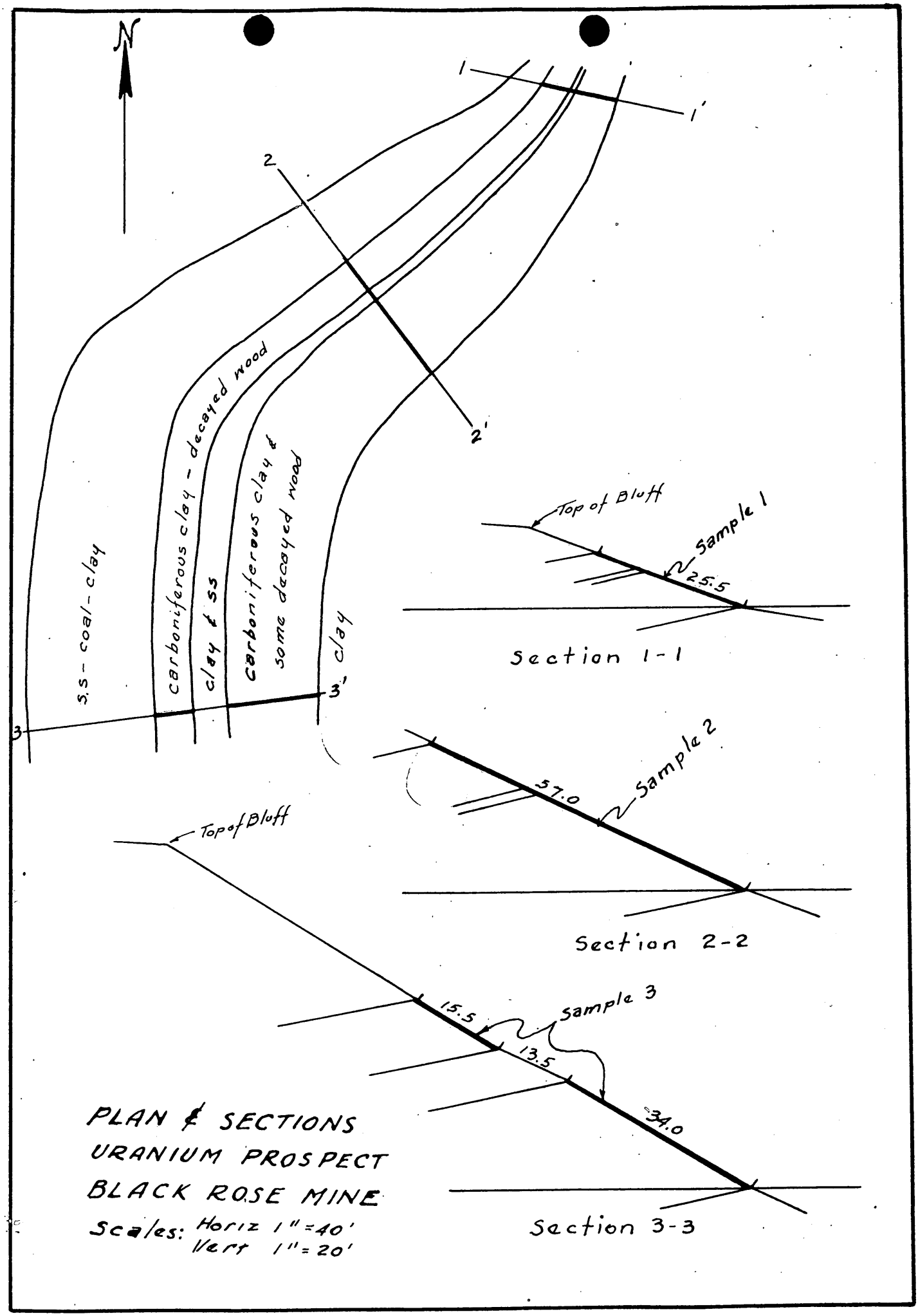
METAL QUOTATIONS:

GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 15.00

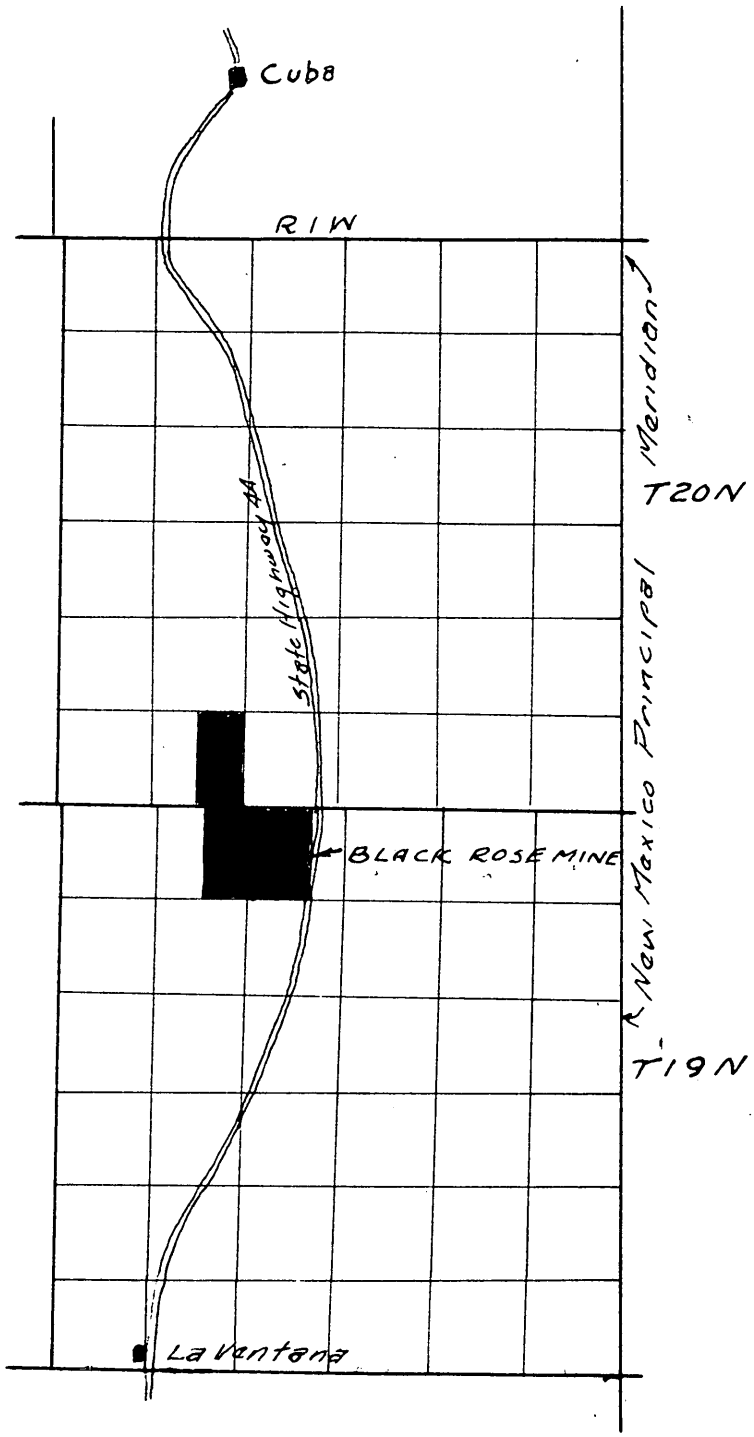
SILVER ____ PER OZ. ____ PER LB. DATE 9/15/51

HAWLEY & HAWLEY

PER W E Hawley ASSAYER.



PLAN & SECTIONS
URANIUM PROSPECT
BLACK ROSE MINE
Scales: Horiz 1" = 40'
Vert 1" = 20'


Cuba
R1W
New Mexico Principal Meridian
T20N
State Highway 44
BLACK ROSE MINE
T19N
La Ventana

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMA-1221X, Black Rose Uranium Prospect

Cuba Mining District

Sandoval County, N. Mex.

Elliot Gillerman, Geologist
U. S. Geological Survey

John H. Soule', Mining Engineer
U. S. Bureau of Mines

January 1952

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By Elliot Gillerman[1] and John H. Soule[2]

Nick Luciani of Albuquerque, N. Mex. recently suspected the presence of uranium minerals in rock formations underlying a coal seam that he is working. This property is located in the Cuba Mining District in Sandoval County, N. Mex. and is about 7 miles south of the town of Cuba.

To explore for uranium, Luciani applied to the Defense Minerals Administration for Government assistance in a project to cost $40,000. The application, Docket DMA 1221X, was sent to the field for an examination of the property. The cost of the project was to be 10 percent by the applicant and 90 percent by the Government.

The coal seam is in the lower beds of the Mesa Verde formation of Upper Cretaceous age. The underlying, alternating beds of shale and sandstone were supposed to contain the uranium minerals.

The area of the proposed project was traversed with a very sensitive Geiger Counter and samples were taken in old trenches where uranium minerals were reported. The samples were tested independently by both members of the examining team. Two of the samples were sent to a commercial assayer for analysis.

The results obtained were all negative, showing that no uranium minerals are present in the areas sampled. Because there are no uranium minerals present, it is recommended that the application for Government assistance be denied.

1/ Geologist, U. S. Geological Survey
2/ Mining engineer, U. S. Bureau of Mines

THE BLACK ROSE URANIUM PROSPECT
NICK LUCIANI, APPLICANT
SANDOVAL COUNTY, NEW MEXICO

DMA 1221X

URANIUM

Geology

By
Elliot Gillerman
Geologist, U. S. Geological Survey

THE BLACK ROSE URANIUM PROSPECT
NICK LUCIANI, APPLICANT
SANDOVAL COUNTY, NEW MEXICO

DMA 122IX

URANIUM

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Geology	2
Sampling	3
Conclusions	3
Recommendations	4

SUMMARY

The Black Rose deposit is in the W½, NE¼, Sec. 4, T. 19 N., R.1 W., about 8 miles south of Cuba, in Sandoval County, New Mexico. The property is under lease from the Federal Government to Mr. Nick Luciani, of Albuquerque, New Mexico.

The Black Rose coal mine is in the lower part of the Mesaverde formation of Upper Cretaceous age. About 50 feet below the coal bed is a 35-foot thick bed of grayish brown carbonaceous shale containing abundant carbonaceous plant remains and blebs of resin. This bed was reported to contain uranium minerals, but a geiger counter traverse failed to show any appreciable radioactive material. Samples taken in old trenches and tested with a Berkeley Scaler in the office substantiated the field results.

GEOLOGY

The Black Rose uranium deposit is in the lower part of the Mesaverde formation, of Upper Cretaceous age. In this general area, the Mesaverde formation consists of about 1,200 feet of alternating beds of massive brown or buff-colored sandstone, grayish-brown shales, and coal. The coal beds in the upper and lower parts of the formation are of considerable thickness, but those in the middle part are thinner.

At the Black Rose deposit, the beds dip about 13 degrees S. 75° W. A 12 feet coal bed, which is currently being mined, is overlain by a bed of massive buff-colored sandstone. Below the coal are a series of alternating sandstones, clays, shales, and carbonaceous shales. About 50 feet below the base of the coal is a bed of carbonaceous shale 30-35 feet thick. A thin bed of buff sandstone, 3-10 feet thick splits the bed at a point 12 feet below the top of the bed. The shale is dark brownish gray, gritty, and contains abundant carbonaceous plant remains and numerous associated blebs of resin which burn upon ignition. The carbonaceous plant remains and the blebs of resin are particularly abundant at the very top of the shale. Below the carbonaceous shale is a bed of gray shale, and below this another bed of carbonaceous shale similar to that above.

Uranium minerals were reported to be present in the carbonaceous shale. Three trenches had been excavated across the uppermost bed and sampled for uranium. During the examination of the property a gieger counter traverse was run across the north and center trenches. The traverse was made with a Victoreen Model 263-B Beta-Gamma Geiger Counter, equipped with a 2 x 20 copper probe. Background count

was about 8-10 divisions on the 0.2 scale. At no time during the traverse did the counter register more than 15 divisions on the 0.2 scale, and usually the needle hovered between 8 and 12 divisions on the 0.2 scale. The largest geiger readings were measured in the following portions of the stratigraphic section: (a) at the very top of the bed, (b) just above the parting sandstone, and (c) about 15 feet above the base of the bed.

SAMPLING

Samples were taken at three points in the north and center trenches where maximum readings on the geiger counter were obtained. These samples were crushed and ground to size and the eU, or equivalent uranium measured by means of a Berkeley Scaler. The results obtained were as follows:

Sample No.	Locality	% eU
1	Top of north trench	.001 plus
2	5 feet above parting sandstone, center trench	.0014
3	About 15 feet above base of bed, center trench	.0017

CONCLUSIONS

The geiger counter traverse in the field failed to indicate any appreciable quantity of uranium in the shale. This was substantiated by the results obtained from checking the samples with the Berkeley Scaler, and also by the assay reports of samples sent by the Bureau of Mines to Hawley and Hawley, commercial assayers, of Douglas, Arizona (results of the assays are reported in the Bureau of Mines report on the Black Rose property). The lowest grade of uranium ore purchased today is 0.1% U. Since all tests showed the U content of the shale to be considerably below this figure, the deposit is not considered commercial.

RECOMMENDATIONS

Based on the above conclusions, it is recommended that the application for Government assistance in exploring the Black Rose uranium prospect, DMA 122IX, be denied.

DMA-1221A, BLACK ROSE URANIUM PROSPECT
CUBA MINING DISTRICT
SANDOVAL COUNTY, N. MEX.

Engineering Report

By John H. Soule*
Mining Engineer
U. S. Bureau of Mines

January 1952

DMA-12211, BLACK ROSE URANIUM PROSPECT
CUBA MINING DISTRICT
SANDOVAL COUNTY, N. MEX.

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INTRODUCTION

Nick Luciani of 234 North Walter Street, Albuquerque, N. Mex., and of Cuba, N. Mex., has operated the Black Rose coal mine for a number of years. Recently he suspected the presence of uranium minerals in certain sedimentary beds underlying the coal seam that he is mining. An investigation of the uranium-bearing material was made for Luciani by A. B. Woodward, Jr., a professional engineer. Upon the strength of this engineer's report, Luciani applied to the Defense Minerals Administration for Government assistance in exploring for uranium. The application, Docket DMA 1221A, suggested a project to cost $40,000, of which the Government was to furnish 90 percent of the funds.

The brochure was sent to the field and an examination of the property was requested. This examination was made on December 5, 1951. The results are reported herewith.

ACKNOWLEDGMENTS

Acknowledgment is made to Nick Luciani for his courtesy in showing the Black Rose property to the examining team. Acknowledgment also is made of the use of the material contained in the examination report by A. B. Woodward, Jr., Registered Professional Engineer, who was retained by Luciani to examine the property.

LOCATION, TOPOGRAPHY AND CLIMATE

The Black Rose property is located about 7 miles south of Cuba, Sandoval County, N. Mex., or about 75 miles northwest of Albuquerque, N. Mex. The property is reached by traveling north from Albuquerque

to Bernalillo, and thence nearly 60 miles northwest from Bernalillo on paved State Highway 44 as shown in figure 1. The Black Rose mine lies just west of the highway and is the first coal mine encountered adjacent to the highway, the tipple being less than 100 yards from the road. A more exact location of the mine would be in the W½, NE¼, Sec. 4, T. 19 N., R. 1 W., very near the eastern limits of the Luciani lease.

The terrain is semi-rugged, consisting of low rocky hills typical of areas of sloping sedimentary formations where erosion is more pronounced in softer shale beds and less marked in the more resistant sandstone beds. To the east in the Nacimiento Mountains the terrain becomes more rugged while it eases to the west toward the Rio Puerco. The mean altitude of the property is approximately 6,750 feet above sea level.

Juniper, Pinon pine, and cedar comprise the bulk of the vegetation, augmented by cactus, range grasses and shrubs. Timber suitable for mining purposes exists in the Nacimiento Mountains a few miles to the east, and a small saw mill operates at Cuba, a few miles to the north.

The mean annual precipitation is estimated to be about 16 inches, largely as summer thunder showers with some winter snow. Freezing winter temperaturs may be severe, but usually are not prolonged. Summer temperatures may exceed 100 degrees for short periods of time.

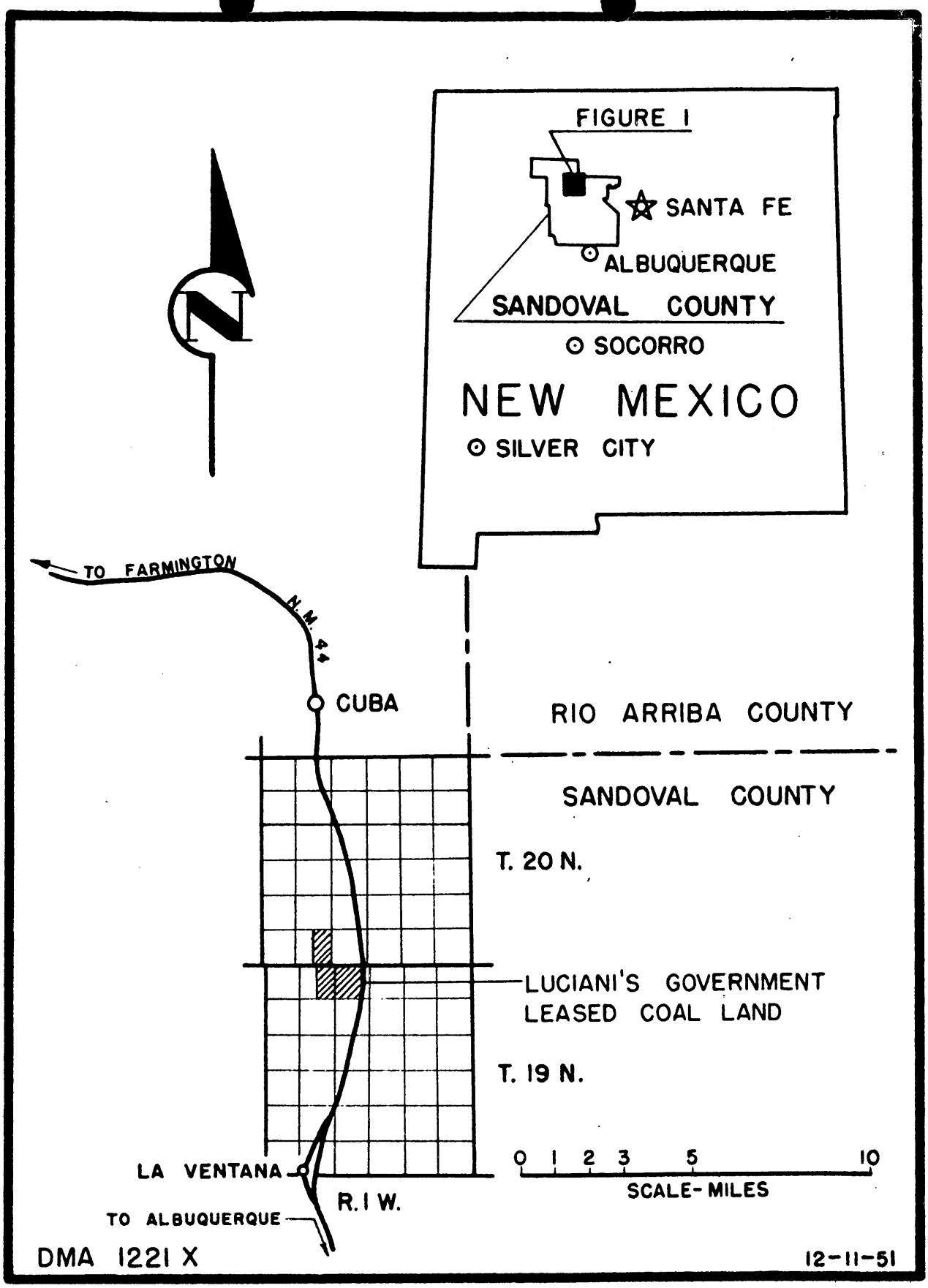

FIGURE 1.-LOCATION MAP, BLACK ROSE URANIUM PROSPECT, SANDOVAL COUNTY, NEW MEXICO

There are no permanent streams in the immediate area although the Rio Puerco, about 3 miles to the west, flows throughout most of the year. There are a few springs in the Nacimiento Mountains to the east. There is no information on the depth of the water table but it is expected to lie fairly close to the surface at a depth probably not over 200 feet.

Only limited living accommodations exist at the mine, consisting of small, portable, one-room shacks. Limited minor supplies may be obtained at Cuba to the north, but major mining equipment is available no closer than Albuquerque, 75 miles to the southeast. The nearest railhead is at Bernalillo, where rail freight and express service is available.

HISTORY AND PRODUCTION

Coal has been mined in the Cuba district for many years. Nick Luciani has operated the Black Rose mine for a few years, having acquired his lease in 1944. Outside of some desultory attempts to mine copper to the north and east, and the recent interest in uranium, there has been no mining activity other than coal. No production of uranium minerals has been made from the Black Rose mine.

OWNERSHIP AND EXTENT

Nick Luciani has leased from the Federal Government, 1,091 acres of coal-bearing land. The lease, Coal Lease Serial No. 052740, was approved by the Assistant Secretary of the Interior in 1944 and embraces the following lands: E½, Sec. 32, T. 20 N., R. 1 W., W3/4, Sec. 4 and E½ Sec. 5, T. 19 N., R. 1 W. This is shown in figure 1.

GEOLOGY 1/

The Black Rose coal mine is in the lower part of the Mesa Verde formation of Upper Cretaceous age. Beneath the 12-foot coal bed is a series of alternating buff-colored massive sandstones and gray shales. About 50 feet below the base of the coal bed is a 35-foot bed of grayish-brown gritty carbonaceous shale containing abundant carbonaceous plant remains and blobs of resin, particularly near the top. This bed was reported to contain uranium. A Geiger counter traverse with a Victoreen Model 263-B Beta-Gamma counter equipped with a 2 by 20 copper probe failed to show any appreciable quantities of radioactive material. Samples taken in the old trenches and tested with a Berkeley scaler substantiated the field results.

ORE RESERVES

Three samples were taken of supposedly uranium-bearing ground. These samples were taken from trenches where previous sampling had been done by a consulting engineer. The two most northerly trenches, as well as much intervening ground, were traversed with a Victoreen Model 263-B Geiger counter with a 2 by 20 copper probe. The samples were taken at points that may have shown a slight bit of radioactivity. The samples were reduced and portions were cut for the Geological Survey member of the examining team and cuts were retained by the Bureau of Mines. Portions of these latter cuts were further split and two samples submitted to a commercial assayer who analyzed the samples submitted by the private engineer. The assay results are shown in the following table.

1/ Gillerman, Elliot, Geologist, U. S. Geological Survey.

TABLE 1
ASSAY RESULTS, BLACK ROSE URANIUM PROSPECT

Sample location	Sample length: Woodward	Sample length: DHA	Sample results (assays): Chemical by Hawley & Hadley: Woodward	Chemical by Hawley & Hadley: DHA	Spectrograph: John Herman: Woodward	Radioactivity: Berkeley Scaler, U.S.G.S.	Radioactivity: Geiger Counter, U.S.B.M.
Trench 1 (south)	49.5 ft.	N.S.	0.09% U_3O_8	---	None	---	---
Trench 2 (center)	37.0 "	5 ft. above middle ss.	0.08 "	None	---	.0014 EU	*0.005
		8 ft. below middle ss.		None	---	.0017 EU	*0.005
Trench 3 (north)	25.5	3 ft. at top	0.10	---	---	.001 EU	*0.005
Standard-.005 U_3O_8	---	---	---	None	---	---	0.005

N.S. - Not Sampled
EU - Equivalent Uranium
* - Less than

Based upon the results shown in the foregoing table, if any uranium minerals exist in the area studied, they exist only in minute quantities. There are no reserves of uranium minerals beneath the Black Rose coal mine.

No attempt is made to explain the discrepancies noted between the sample results obtained by the consulting engineer and the DMA examining team other than that the DMA field team check was made with a very sensitive counter capable of more precise work than the usual commercial counters. No information is available on the type of counter used by the consulting engineer.

CONCLUSIONS

The following conclusions were reached after an examination of the Black Rose uranium prospect, followed by an analysis of the samples taken:

1. If any uranium is present, it exists in minute quantites;

2. Because of the above, there are no ore reserves on that portion of the property previously reported to contain uranium.

RECOMMENDATIONS

Based upon the foregoing conclusions, it is recommended that the application, Docket DMA 1221A, for Government assistance in exploring the Black Rose uranium prospect be denied.

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

OCT 10 1951

Mr. J. H. East Jr.
224 NewCustomHouse Building
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. ~~1221x~~

Commodity ~~Uranium~~

Applicant ~~Nick Luciani~~

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon, Chairman
Coordinating Committee

For Bureau of Mines

For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. 1221X

Commodity Uranium

Total Amount $40,000

Govt. Participation $36,000

1. Name and Address of Applicant Nick Luciani

234 North Walter, Albuquerque, New Mexico.

2. Location of Property Sandoval County, New Mexico.

3. Mineral or metal Uranium Is it listed in Section 9 of MO-5? Yes.

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good

b) Poor

c) None

d) Don't know—needs field examination —

e) Is there an alternative and favorable project? Report by Field Team is required. See Item 17
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Yes
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? No, & need copy

Does the lease have sufficient time to run to cover a future

productive period? Yes

*question numbers are those of MF-103

7. Are subordination agreements necessary? assumed

a) MF-201?

b) MF-202 ✓

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower Don't know

b) Equipment and supplies " "
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)* yes

d) Water (question 13)* ?

e) Power (question 13)* ?

Is a field check needed on any of these points? yes

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)* yes

Is a field check needed on this point? no.

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described? no

If not, are there sufficient data given so that you can describe the project? no If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? no

c) Is the proposed work "exploration" under the definition of Section 8, MO-5? yes

If not, what part of it is?

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? no

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? no If so, attach a draft.

e) Are the cost estimates reasonable? Don't know

f) Should more information be requested from applicant? yes

g) Is a field examination necessary to complete Exhibit A? yes

11. Exhibit B (question 23-d)*

a) Is it applicable? ?

b) If so, are sufficient data furnished? no If so, attach a draft.

c) Is a field check needed? yes

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable? ?

b) Sufficient data? no If so, attach a draft.

c) Are rents and charges reasonable? ?

d) Is a field check needed? yes

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data? no

b) Is the schedule adequate for the work proposed? ?

c) Is the schedule excessive for the work proposed? ?

d) Are the proposed wages and salaries reasonable? ?

e) Is a field check needed? yes

14. Exhibit E (question 23-c)*

a) Is it applicable? ?

b) Sufficient data? no

c) Reasonable? ?

d) Field check needed? yes

15. In your judgment, can the proposed work be done in the proposed time? Don't know how much work he proposes to do.

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? Suggest that the Field Team contact Mr. Lincoln R. Page, U.S.G.S., Denver Federal Center, Denver, Colorado. If project is recommendable, please instruct applicant to submit a definite, well described program with complete supporting data and exhibits for contract.

Reviewed by: E R Gordon,
H H Reiser U.S.G.S.
J. H. Hosted A.E.C.

Date October 2, 1951

INT.-DUP. SEC., WASH., D.C. 99009

FILE COPY
SURNAME:

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

Gordon Bourret

G.E.C.

SEP 6 1951

Mr. Nick Luciani
234 North Walter
Albuquerque, New Mexico

Re: Uranium - Sandeval County
New Mexico - DMA docket 1221X

Dear Mr. Luciani:

Reference is made to our letter of May 25, 1951 concerning your application dated May 9, 1951 for exploration assistance in the amount of $40,000.

Inasmuch as we have had no reply from you regarding our request that you complete application form MF-103 in detail we wish to advise that unless we hear from you within sixty days we will consider your file closed and your application as withdrawn.

Yours very truly,
Weston Bourret
BJ 9/6

Weston Bourret, Chief
Minor and Rare Metals Branch

EGordon/ch 9-5-51
cc: Adm. Reading File
Lyon
Bourret
Keiser
Hosted - AEC
Field Team - IV
DMA docket file

FILE COPY
SURNAME:

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

June 18, 1951

Mr. Nick Luciani
234 North Walter
Albuquerque, New Mexico

Subject: DMA-1221X
Re: Exploration Loan -
Black Rose Coal Mine

My dear Mr. Luciani:

Receipt is acknowledged of your application and attachments of May 9, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1221X and referred to Mr. Weston G. Bourret, Acting Chief, Minor and Rare Metals Branch on May 23, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1221X.

Sincerely yours,

LANDON F. STROBEL
Landon F. Strobel jc
Executive Secretary

L. F. Strobel:jc
cc: Strobel
File
Bourret
Lyon
Senator Dennis Chavez, U.S.S.

FILE COPY
SURNAME:

Bourret
Lyon
Strobel 6/8

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

June 7, 1951

Honorable Dennis Chavez
United States Senate
Washington 25, D. C.

My dear Senator Chavez:

I appreciate your kind letter of May 21, 1951 in regard to Mr. Nick Luciani.

Mr. Luciani's DMA application, Docket No. 1221X, is presently being reviewed by the DMA engineers and the Atomic Energy Commission. We have also asked Mr. Luciani to supply additional information necessary to process the application, which data will no doubt be received shortly.

Sincerely yours,

JAMES BOYD

Administrator

WBourret/GMcC

cc: Files
Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. Bourret (2)

FILE COPY
SURNAME:

Bourret

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

May 25, 1951

Mr. Nick Luciani
234 North Walter
Albuquerque, New Mexico

Re: Uranium - Sandoval County, New Mexico - DMA docket 1221x

Dear Mr. Luciani:

Your application dated May 9, 1951 for exploration assistance in the amount of $40,000 has been directed to this office for consideration.

The application form MV-103 has not been completed in sufficient detail for us to act on your request. I wish particularly to direct your attention to questions No. 21 and 22 under the heading "Exploration." Please answer these questions as fully as possible, including supporting maps showing the location of your proposed development openings, such as trenches, diamond drill holes, tunnels, etc. The MV-103 is intended merely to serve as an outline to assist you in preparing a detailed statement of your proposal.

We must of necessity hold your application in abeyance until the completed file is available for review.

I am enclosing press release of May 14, which provides additional information on the DMA Exploration Program.

Yours very truly,

W. Bourret ad

Weston Bourret, Acting Chief
Minor and Rare Metals Branch

Enclosure

WBourret/ad
cc: Adm.Read.File
Dep. Adm.
Exec. Secy.
Field Team, Region IV
Mr. Hosted, USGS
Mr. Kaiser, USGS
Mr. Kline, Bluemont, Va.
Mr. Bourret
Files

DENNIS CHAVEZ, N. MEX., CHAIRMAN
SHERIDAN DOWNEY, CALIF.
JOHN L. MC CLELLAN, ARK.
SPESSARD L. HOLLAND, FLA.
JOHN SPARKMAN, ALA.
JOHN C. STENNIS, MISS.
VIRGIL M. CHAPMAN, KY.
ROBERT S. KERR, OKLA.
HARRY P. CAIN, WASH.
EDWARD MARTIN, PA.
ARTHUR V. WATKINS, UTAH
GEORGE W. MALONE, NEV.
JAMES P. KEM, MO.
FRANK BURNETT, CHIEF CLERK

United States Senate

COMMITTEE ON PUBLIC WORKS

May 21, 1951

~~Mr. Bennet~~
Ans. by Mr. Bennet
on 6/7/51
G. McC.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 29 1951
LANDON F. STROBEL
Executive Secretary

Honorable Tom Lyon
Director of the Supply Division
Defense Mineral Administration
Department of Interior
Washington, D. C.

Dear Mr. Lyon:

Mr. Nick Luciani, 234 North Walter, Albuquerque, New Mexico, has sent me a copy of his application for aid for an exploration project pursuant to mineral order 5, under Defense Production Act of 1950.

I have known Mr. Luciani for many years and know him to be earnest and reliable. I will appreciate it if you will give his application your careful consideration and inform me of action taken in the matter.

Sincerely yours,

Dennis Chavez

Dennis Chavez, U.S.S.

DC:ob

We appreciate your kind letter in regard to Mr. Luciani's application DMA docket No — is pending being reviewed by the DMA and AEC respectively. Also we have asked Mr. Luciani to contact the field as certain mineral was lacking

Mark Copy Carter

DENNIS CHAVEZ, N. MEX., CHAIRMAN
SHERIDAN DOWNEY, CALIF.
JOHN L. MC CLELLAN, ARK.
SPESSARD L. HOLLAND, FLA.
JOHN SPARKMAN, ALA.
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EDWARD MARTIN, PA.
ARTHUR V. WATKINS, UTAH
GEORGE W. MALONE, NEV.
JAMES P. KEM, MO.
FRANK BURNETT, CHIEF CLERK

United States Senate

COMMITTEE ON PUBLIC WORKS

May 21, 1951

Honorable Tom Lyon
Director of the Supply Division
Defense Mineral Administration
Department of Interior
Washington, D. C.

MAY 29 1951
Mr. Bonnell
Mr. Lyon
Mr. Boyd

Dear Mr. Lyon:

Mr. Nick Luciani, 234 North Walter, Albuquerque, New Mexico, has sent me a copy of his application for aid for an exploration project pursuant to mineral order 5, under Defense Production Act of 1950.

I have known Mr. Luciani for many years and know him to be earnest and reliable. I will appreciate it if you will give his application your careful consideration and inform me of action taken in the matter.

Sincerely yours,

Dennis Chavez

Dennis Chavez, U.S.S.

DC:ob

LANDON F. STROBEL
PHONE 2-9238

234 NORTH WALTER

INTERIOR DEPT.
SECRETARY'S
MAIL CENTER
MAR 16 1951
US MINES

DMA

BLACK ROSE COAL MINE

NICK LUCIANI AND SONS

Mesa Verde Seam 9 feet and over 100% clean coal. Estimated 18 million tons

ALBUQUERQUE, NEW MEXICO

INTERIOR DEPT.
MAR 1 5 1951
SECRETARY'S
MAIL CENTER

March 16, 1951

Oscar L. Chapman, Sec'y
Department of the Interior
Washington, D. C.

INTERIOR DEPT.
RECEIVED
MAR 15 1951
OFFICE OF
THE SECRETARY

Dear Sir:

I do appreciate your sending me application papers on a Mining Loan. I have tried all other means on my land which I cannot collect because of shortage of funds.

Very truly yours,
Black Rose Coal Mine
Per Nick Luciani

BUREAU OF MINES

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1221 X

Date received 5/21/51

Participation

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

FILL IN THIS BLOCK

Date of application 5/9/51

Estimated cost 40,000.00

Mineral or metal Uranium

Percentage of Government participation 36,000.00

Location of mine Sandoval County

Cuba

Date of filing MF-100 5/5/51

DMA Docket Number, if available DMA-1221X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an ~~individual~~, partnership, or corporation?

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and mineral business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. 50 Years Nick Luciani

*5. Are you the ~~owner~~ or the ~~lessee~~ LESSEE of the property?

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None

7. If lessee, attach a copy of the lease and state if it is in good standing. See Attached Copy Gov. Lease #052740 In Good Standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Attached

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Frank Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1221X

Date received 5/21/51

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Coal
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 1600 Ft.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. No Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 50 Miles from Bernalillo, New Mex.
   (*b*) Mining district. #18
   (*c*) Township, Section, Range. Sec. 4, E½ Sec. 5, Twp 19N., E. ½ Sec. 32, Twp 20N, all in Range 1W, NMPM., Except the E½ of Sec. 4.
   (*d*) County, State. Sandoval County
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production 7 Years Coal Mine

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 50 Years Coal mining 7 other minerals
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Not suspended
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Coal
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. See Letter

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Coal	2500	2500	1500	150
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)	Coal	2500	2500	1500	150

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. If contracts received production can be doubled

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Do not know exactly but Geiger Counter test proved traces of Radioactive material and anal sis and depth of this material				
Indicated (probable)	will have to be made. The analysis test made by Jack C. Pierce of New Mex. Mines & Prosp. Assn.				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each. Enclosed

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: all paved roads to and from Mine

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Spring-running water year round supply

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof. Own electric power plant

16. Labor: 10

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

Power Shovel, Power Digger, Hoist Trucks Etc.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Nick Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1221 X

Date received 5/21/51

Participation

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

FILL IN THIS BLOCK

Date of application 5/9/51

Estimated cost 40,000.00

Mineral or metal Uranium

Percentage of Government participation 36,000.00

Location of mine Sandoval County

Cuba

Date of filing MF-100 5/5/51

DMA Docket Number, if available Dma-1221 X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. 50 Years Nick Luciani
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
7. If lessee, attach a copy of the lease and state if it is in good standing. ~~See Attached Copy~~ #Gov. Lease #052740 In Good Standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Attached
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

956

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Mark Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Dma-1221 X

Date received 5/21/51

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (a) What are the chief mine, mill, or smelter products? Coal
   (b) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (a) Linear feet of shafts.
   (b) Linear feet of drifts and crosscuts. 1600 Ft.
   (c) Linear feet of tunnels or adits.
   (d) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. No Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (a) Distance and direction from nearest town and shipping point. 50 Miles from Bernalillo, New Mexico
   (b) Mining district. #18
   (c) Township, Section, Range. Sec. 4, E½ Sec. 5, Twp 19N. E½ Sec. 32, TWp 20N, all in Range 1 W, N. M. P. M., Except the E½ of Sec. 4.
   (d) County, State. Sandoval County, New Mexico
4. (a) State whether or not property is now in operation, and if in operation, by whom operated.
   (b) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production 7 years Coal Mine

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who manage the project. 50 Years colal mining & other minerals
7. History:
   (a) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Not Suspended
   (b) State briefly the known history and production of adjoining and neighboring properties. Coal
   (c) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. See Letter

16—63792-1

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Coal	2500	2500	1500	150
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)	Coal	2500	2500	1500	150

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change.

If contracts received production can be doubled.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Do not know	exactly but	Geiger counter	test proved	traces of
Indicated (probable)	radioactive	material an	analysis and	depth of this	material
	will have to	be made.	The analysis	test was made	by
	Jack C. Pierce of New Mex. Mines of Prosp. Assn.				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each. Enclosed

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: All paved Raods to and from Mine

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Spring running water year round supply

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof. Own electric power plant

16. Labor: 10

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

Power Shovel, Power Digger, Hoist Trucks Etc.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Nick Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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—63792-1

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. Dma-1221 X

Date received 5/21/51

Participation

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

FILL IN THIS BLOCK

Date of application 5/9/51

Estimated cost 40,000.00

Mineral or metal Uranium

Percentage of Government participation 36,000.00

Location of mine Sandoval County

Cuba

Date of filing MF-100 5/5/51

DMA Docket Number, if available Dma-1221 X

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. 50 Years Nick Luciani
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None
7. If lessee, attach a copy of the lease and state if it is in good standing. ~~See attached copy~~ #052740 In Good Standing

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. Attached
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Rick Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

Docket No. Oma - 1221 X

Date received 5/21/51

NICK LUCIANI
234 NORTH WALTER
ALBUQUERQUE, NEW MEXICO

Name and address of applicant

Date 5/9/51

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124–A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced:
   (*a*) What are the chief mine, mill, or smelter products? Coal
   (*b*) What are the byproducts, if any? None
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following:
   (*a*) Linear feet of shafts.
   (*b*) Linear feet of drifts and crosscuts. 1600 Ft.
   (*c*) Linear feet of tunnels or adits.
   (*d*) Linear feet of other mine openings (explain briefly).

   Indicate whether mine is flooded or not. No Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 50 Miles from Bernalillo, New Mexico
   (*b*) Mining district. #18
   (*c*) Township, Section, Range. Sec. 4, E½ Sec. 5, Twp 19N, E ½ Sec. 32, Twp 20N, all in Range 1 W N. M. P. M. Except the E½ of Sec. 4.
   (*d*) County, State. Sandoval County, New Mexico
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated.
   (*b*) Are you operating this property as:
   - ☐ Owner.
   - ☒ Lessee.
   - ☐ Contractor.
5. Number of years in production 7 years Coal Mine

   If not in production or operation, estimated date when production will begin _____
6. Experience of operators:

   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. 50 Years coal mining & other minerals
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. Not Suspended
   (*b*) State briefly the known history and production of adjoining and neighboring properties. Coal
   (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations. See Letter

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8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock	$	$	$		
Preferred stock	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	Coal	2500	2500	1500	150
2. Quantity of product processed (specify unit of measure and type of process)					
3. Quantity and grade of product sold or shipped (specify units of measure)	Coal	2500	2500	1500	150

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. If contracts received production can be doubled.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology ... ore reserves.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved)	Do not know	exactly but	Geiger counter	test proved	traces of
	radioactive	material an	analysis and	depth of	this material
Indicated (probable)	will have to	be made.	The analysis	test was	made by
	Jack C. Pierce of New Mex. Mines of Prosp. Assn.				

(*c*) If placer:

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each. Enclosed

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads: All paved Raods to and from Mine

Give road distances to shipping, supply and residence points, stating kind and condition of roads.

14. Water Supply: Spring running water year round supply

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof. Own electric power plant

16. Labor: 10

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities:

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

Power Shovel, Power Digger, Hoist Trucks Etc.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Black Rose Coal Mine
(Name of company)

By Mike Luciani
(Signature of authorized official)

May 14 - 1951
(Date)

Owner
(Title)

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—63792-1

Dma. 1221 X

NICK LUCIANI D.B.A
BLACK ROSE COAL MINE
FINANCIAL STATEMENT
MAY 1, 1951

ASSETS

CURRENT ASSETS:-			
Cash on hand and in Bank		2,000.00	
Total Current Assets			2,000.00
FIXED ASSETS:-			
Mine Cabins & Block House	5,500.00		
Reserve for Depreciation	980.00	4,520.00	
Mine Equipment & Machinery	36,170.00		
Reserve for Depreciation	9,041.63	27,128.37	
Trucks	10,470.00		
Reserve for Depreciation	7,446.64	3,023.36	
Total Fixed Assets			34,671.73
OTHER ASSETS:-			
28,000 Tons of Stripped Coal ready for loading @cost		12,000.00	
Total Other Assets			12,000.00
Total Current, Fixed & Other Assets			48,671.73

LIABILITIES & NET WORTH

CURRENT LIABILITIES:-		
Notes Payable	2,000.00	
A/C Payable	3,000.00	
Total Current Liabilities		5,000.00
FIXED LIABILITIES:-		
Chattle Mortgages-First Nat'l Bank	4,500.00	
U. S. Rental-Leased Property	1,500.00	
Total Fixed Liabilities		6,000.00
NET WORTH:-		
Nick Luciani Capital		37,671.73
Total Liabilties & Net Worth		$48,671.73

NICK LUCIANI D.B.A.
BLACK ROSE COAL MINE
CUBA NEW MEXICO
1-1-50 to 12-31-50
PROFIT & LOSS STATEMENT

Sales:		8,400.00
Production Labor	2,904.00	
U. S. ~~Royalty~~ RENTAL	1,500.00	4,404.00
Gross Profit		3,996.00
Cost of Operations:		
Safety Timbers	240.00	
Depreciation	3,424.65	3,664.65
Net Profit		$ 331.35

SCHEDULE OF DEPRECIATION 1950

KIND OF PROPERTY	DATE ACQUIRED	COST	DEPREC PRIOR YRS.	REMAIN COST	ESTIM LIFE	REMAIN LIFE	DEPREC. 1950
7 Mine Cabins	1946	3000.00	360.00	2640.00	25 Yrs	22 Yrs	120.00
L Block House	1946	2500.00	375.00	2125.00	25 "	22 "	125.00
Mine Tipple	1945	16200.00	2592.00	13608.00	25 "	21 "	648.00
Elect. Power Plant	1945	7400.00	1973.32	5426.68	15 "	11 "	493.33
Electric Cutter	1/1/50	2600.00	.00	2600.00	15 "	15 "	173.33
Blksmith Shop Complete	1948	460.00	46.00	414.00	20 "	18 "	23.00
Platform Scale	1945	1700.00	453.32	1246.68	15 "	11 "	113.33
Electric Hoist	1948	1200.00	160.00	1040.00	15 "	13 "	80.00
Gasoline Hoist	1945	450.00	120.00	330.00	15 "	11 "	30.00
Power Shovel	1948	2800.00	560.00	2240.00	10 "	8 "	280.00
Rails & Ties [illegible]	1945	1200.00	480.00	720.00	10 "	6 "	120.00
1500 Ft Dble Ins. Wire	1946	1500.00	225.00	1275.00	20 "	17 "	75.00
2000 Ft Steel Cable	1948	660.00	264.00	396.00	5 "	3 "	132.00
Diamond T Truck 3 Ton	1943	4400.00	3400.00	1000.00	6 "	1 "	.00
" " " " 2 Ton	1947	3800.00	1899.99	1900.01	6 "	3 "	633.33
" " " " Pickup	1947	2270.00	1134.99	1135.01	6 "	3 "	378.33
		52140.00	14043.62	38096.38			3424.65