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

224 New Customhouse
Denver 2, Colorado

September 9, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration

From: DMEA Field Team, Region IV

Subject: Report of Examination, Docket DMEA 3404 (Uranium), Burns and Bagby, Sundown Claims, San Miguel County, Colorado.

Enclosed are the original and three copies of the report of examination on the subject docket, a copy of the letter to the applicant and two copies of Form 3b.

W. H. King

W. H. King

E. N. Hausman
for A. H. Koschmann

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54
(date)

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

224 New Customhouse
Denver 2, Colorado

September 9, 1954

Messrs. Robert J. Burns and
Vern L. Bagby
247 Walker Street, S.E.
Albuquerque, New Mexico

Gentlemen:

Re: Docket No. DMEA 3404

Reference is made to your application for Government aid on the Sundown Claims.

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

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

Very truly yours,

W. H. King
W. H. King
DMEA Field Team, Region IV

HMC:mb

cc: Admin.
Docket
AHKoschmann
Chron

for E. N. Harshman
A. H. Koschmann
DMEA Field Team, Region IV

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

SEP 9 1954

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination, Docket DMEA 3404 (Uranium), Burns and Bagby, Sundown Claims, San Miguel County, Colorado.

Enclosed are eleven copies of the engineering report of examination on the subject docket.

The applicants requested $6,000 to explore 9 of the 36 Sundown Claims by wagon drilling. The applicants' proposed exploration program was not made clear in the application and the applicants were not present at the field examination, but they were notified in advance of the date.

The claims are high in the Brushy Basin and approximately 250 feet stratigraphically above the known productive ore horizon in the Salt Wash member of the Morrison formation. The engineer examiner concluded that drilling to the ore horizon would be too deep to justify exploration at this time and he recommends that the application be denied.

We concur in this recommendation.

W. H. King

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
September 3, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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

Subject: DMEA 3404 (Uranium) Robert J. Burns and Vern L. Bagby (Sundown claims), San Miguel County, Colo.

Enclosed are the original and ten copies of a "Summary, Conclusions, and Recommendations" by H. M. Connors, Bureau of Mines, and D. R. Shawe, Geological Survey, and of Connors' engineering report on the above docket.

Connors concludes the Brushy Basin sandstone on the Sundown group of claims where the applicants propose exploration is generally unfavorable and is some 250 feet stratigraphically above the known ore productive horizon in the Salt Wash member of the Morrison formation. In addition, they are not apparently experienced enough with uranium exploration on the Colorado Plateau to understand and make a realistic cost estimate of the type of work proposed. Denial of the loan request is recommended.

I concur with the conclusions and recommendations.

The brochure furnished with your memorandum of June 24, 1954, instructing us to make a field examination and submit a report, is also enclosed.

W. M. Traver

W. M. Traver

enclosure

WMT/kp

cc /10
3404
Chron

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

RECEIVED SEP 16 1954

August 23, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3404, Burns and Bagby, Sundown claims (uranium), San Miguel County, Colorado

Enclosed are 11 copies of a geologic report by Daniel R. Shawe of the U. S. Geological Survey covering the above docket.

Mr. Shawe concludes that the property is not in an area favorable for the occurrence of significant deposits of uranium ore and that drilling to the ore horizon would be too deep to justify exploration at this time. He therefore recommends denial of the application for exploration assistance.

E. N. Hinchman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3404, Sundown Claims

Robert J. Burns and Vern L. Bagby

San Miguel County, Colo.

Uranium

H. M. Connors, Mining Engineer
Bureau of Mines

D. R. Shawe, Geologist
Geological Survey

August 16, 1954

Reviewed by
DMEA OPERATING COMMITTEE
9/22/54

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

Summary, Conclusions, and Recommendations

By H. M. Connors
Mining Engineer
Bureau of Mines

D. R. Shawe
Geologist
Geological Survey

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By H. M. Connors and D. R. Shawe

Robert J. Burns and Vern L. Bagby, owners of the Sundown claims in the McIntyre Canyon area, Slick Rock district, San Miguel County, Colo., have applied for Government exploration assistance in exploring their property for uranium at an estimated cost of $6,000.00.

The property was examined on August 4, 1954, by a Defense Minerals Exploration Administration examining team in company with W. P. Williams of the Geological Survey. The applicants were advised of the date of the examination, but they or their representative failed to be present.

The field examiners found the claims to be properly staked, but found no evidence of any exploratory work having been done and no uranium mineralization was observed.

Because of the generally unfavorable nature of the Brushy Basin sandstone on the Sundown group of claims, and the location of the claims 250 feet or more stratigraphically above the known ore producing horizon in the Salt Wash member of the Morrison formation in the area, no exploration is recommended on the claims.

Denial of the application of Burns and Bagby is recommended.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. BOX 360

August 16, 1954

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: W. P. Williams

Subject: DMEA 3404, Burns and Bagby, Sundown claims (Uranium)
San Miguel County, Colo.

Transmitted herewith are eleven copies of a geologic report by Daniel R. Shawe, covering a field examination of the subject DMEA application.

Shawe points out in his brief report that geologic conditions on subject property are not favorable for the occurrences of uranium ore. Contrary to the applicants' assertion, drilling to the top ore-bearing horizons in the Salt Wash member would be too deep to justify an exploration program at this time. As a result, Shawe recommends that the subject application be denied.

W P Williams

W. P. Williams
Geologist

WPW/mlr

Enclosures

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3404, Burns and Bagby, Sundown claims
San Miguel County, Colo.

Uranium

Geologic Report

By

Daniel R. Shawe
U. S. Geological Survey

August 16, 1954

DMEA 3404

INTRODUCTION

Robert J. Burns and Vern L. Bagby, Albuquerque, New Mexico, and Naturita, Colorado, have applied (DMEA 3404) to the Defense Minerals Exploration Administration for assistance to explore for uranium ore on the Sundown claim group, McIntyre canyon area, secs. 25 and 26, T. 45 N., R. 19 W., Slick Rock district, San Miguel County, Colo. (fig. 1). The applicants propose to explore the property by drilling an unstated number of holes at an estimated cost of $6,000.00. They plan to drill wagon-drill holes to a depth of one-hundred feet, and if deeper drilling is required, to do core drilling. No specific drilling program was outlined in the application.

The claims were examined on August 4, 1954, in company with W. P. Williams, DMEA representative for the U. S. Geological Survey, and R. R. McLellan and H. M. Connors, U. S. Bureau of Mines representatives. No representative of the applicants was present at the claims at the time of examination.

The Sundown claims on which the applicants propose exploration are situated 250 feet and more stratigraphically above the known producing horizon in the Salt Wash member of the Morrison formation in the area, and no exploration is recommended on the property.

PRODUCTION

No uranium has been produced from the Sundown group of claims.

GEOLOGY

The Sundown claims on which the applicants propose exploration (Sundown 4, 5, 6, 7, 8, 9, 16, 17, and 18) are on the Brushy Basin member of the Morrison formation, about 250 to 400 feet stratigraphically above the top (ore-bearing) sandstone unit of the Salt Wash member (figure 2). Locally the sedimentary rocks dip about 2° southwest. Several sandstone lenses, none more than 20 feet thick, in the lower part of the Brushy Basin member, are exposed on the Sundown claims. Although in places the sandstone lenses show alteration similar to that in the vicinity of ore deposits in the Salt Wash member, and the applicants have reported "high grade ore samples" from the surface at the claims, the sandstones are generally unfavorable for ore. Known ore deposits in the Brushy Basin member in the Slick Rock district have been small, spotty, and difficult to find.

CONCLUSIONS AND RECOMMENDATIONS

Because of the generally unfavorable nature of the Brushy Basin sandstone on the Sundown group of claims, and the location of the claims 250 feet or more stratigraphically above the known ore producing horizon in the Salt Wash member of the Morrison formation in the area, no exploration is recommended on the claims. It is, therefore, recommended that the application for DMEA assistance be denied.

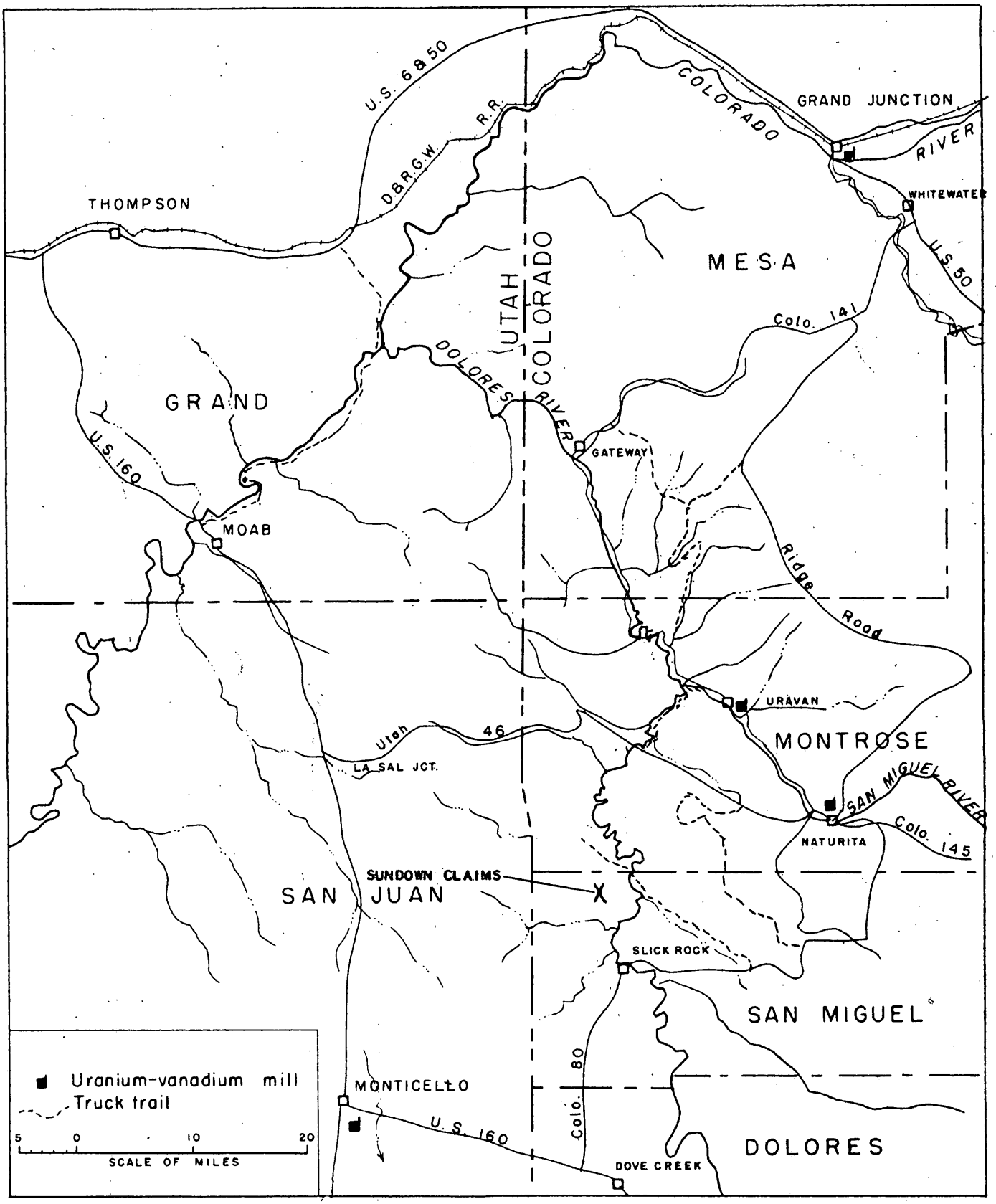
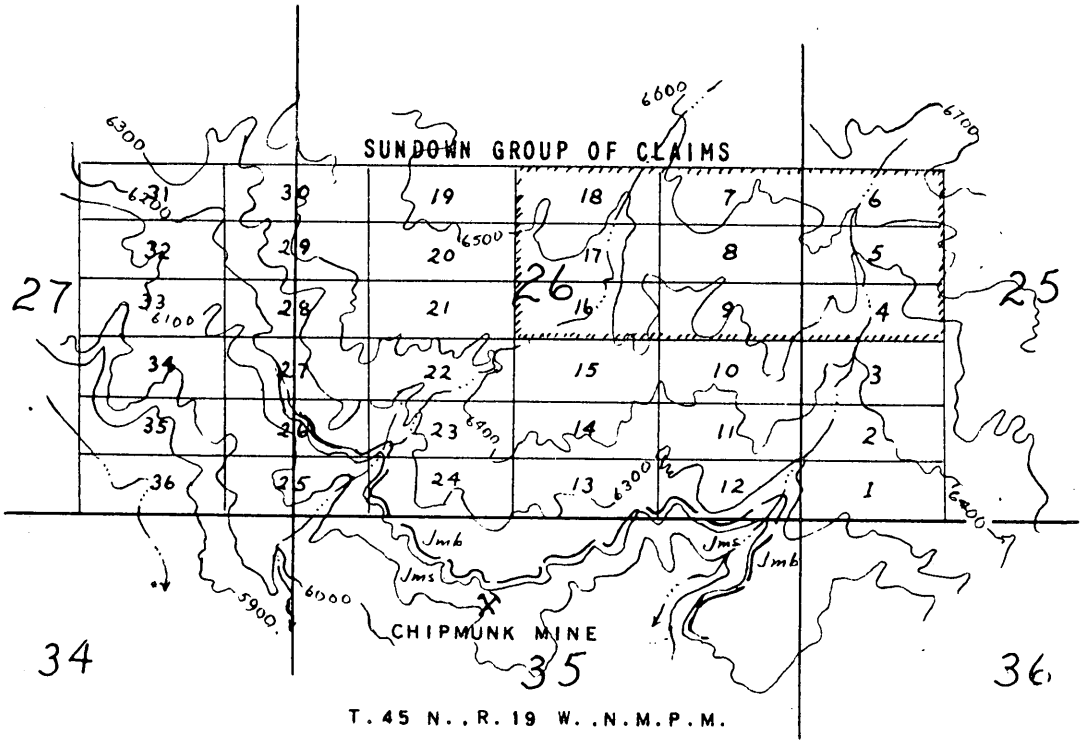


FIGURE 1. INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING LOCATION OF THE SUNDOWN GROUP OF CLAIMS, SAN MIGUEL COUNTY, COLORADO



EXPLANATION

N

Jmb / Jms — CONTACT BETWEEN BRUSHY BASIN AND SALT WASH MEMBERS OF THE JURASSIC MORRISON FORMATION

CLAIMS OUTLINED BY HACHURES ARE THOSE WHERE APPLICANTS PROPOSE EXPLORATION.

TOPOGRAPHY FROM U.S. GEOLOGICAL SURVEY QUADRANGLE MAPS, ANDERSON MESA AND HORSE RANGE MESA.

2000 0 4000 FEET

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

Figure 2. SKETCH MAP OF SUNDOWN GROUP OF CLAIMS, MONTROSE COUNTY, COLORADO

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

Engineering Report

By H. M. Connors
Mining Engineer
Bureau of Mines

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

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Recommendations	5

ILLUSTRATIONS

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1. Location map, Burns and Bagby, Sundown claims, San Miguel County, Colo	2
2. Claim map, Burns and Bagby, Sundown claims, San Miguel County, Colo	3
-- Sketch map of Sundown group of claims, Montrose County, Colo	*

*See figure 2 with geologic report.

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

ENGINEERING REPORT

By H. M. Connors

INTRODUCTION

Robert J. Burns, 247 Walker Street, S. E., Albuquerque, New Mex., and Vern L. Bagby, Naturita, Colo., a partnership, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Sundown Nos. 4, 5, 6, 7, 8, 9, 16, 17, and 18 claims in San Miguel County, Colo. The applicants proposed a program of wagon drilling and diamond drilling, a total of 6,000 feet of drill hole at an estimated total cost of $6,000.00.

The property was examined on August 4, 1954, by Defense Minerals Exploration Administration field representatives. The applicants were notified of the date of the field examination but failed to be present.

The field examiners found the claims to be properly staked but found no evidence of any exploratory work having been done. The Salt Wash member of the Morrison formation, the ore-bearing horizon in this area, outcrops south of the Sundown claims and is estimated to be 250 feet below the surface in the area the applicants proposed to drill.

It was concluded that drilling 250-foot wildcat holes is not warranted until such time as the applicants can show definite uranium mineralization in that horizon or any other horizon at their own expense.

ACKNOWLEDGMENTS

W. P. Williams, Geological Survey, notified the applicants by letter of the date of the field examination, but the applicants or their representative did not appear.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Sundown claims are on the Grassy Hills ridge which separates Little Gypsum Valley from McIntyre Canyon, secs. 25 and 26, T. 45 N., R. 19 W., New Mexico principal meridian, San Miguel County, Colo. (fig. 1). The claims are most readily accessible from Utah by leaving U. S. Highway 160 about 19 miles north of Monticello, Utah, and traveling east on the Dry Valley road into Colorado and across Island Mesa to Grassy Hills. The distance from Monticello to the mine is approximately 48 miles. A second and less desirable route leaves the Little Gypsum Valley road 17.5 miles south of the junction with Colorado State Highway 80. The access road winds 5 miles up the south wall of Little Gypsum Canyon to the top of Grassy Hills and to the Sundown claims overlooking McIntyre Canyon.

The area is semiarid and rugged. All supplies and equipment must be transported to the area by truck. The most accessible points of supply are Monticello and Moab, Utah, 48 and 67 miles, respectively. Water for mining and diamond drilling may be obtained from a reservoir and a spring within 3 miles of the Sundown claims. Electricity is not available in the area. Milling facilities are available at Monticello, Utah.

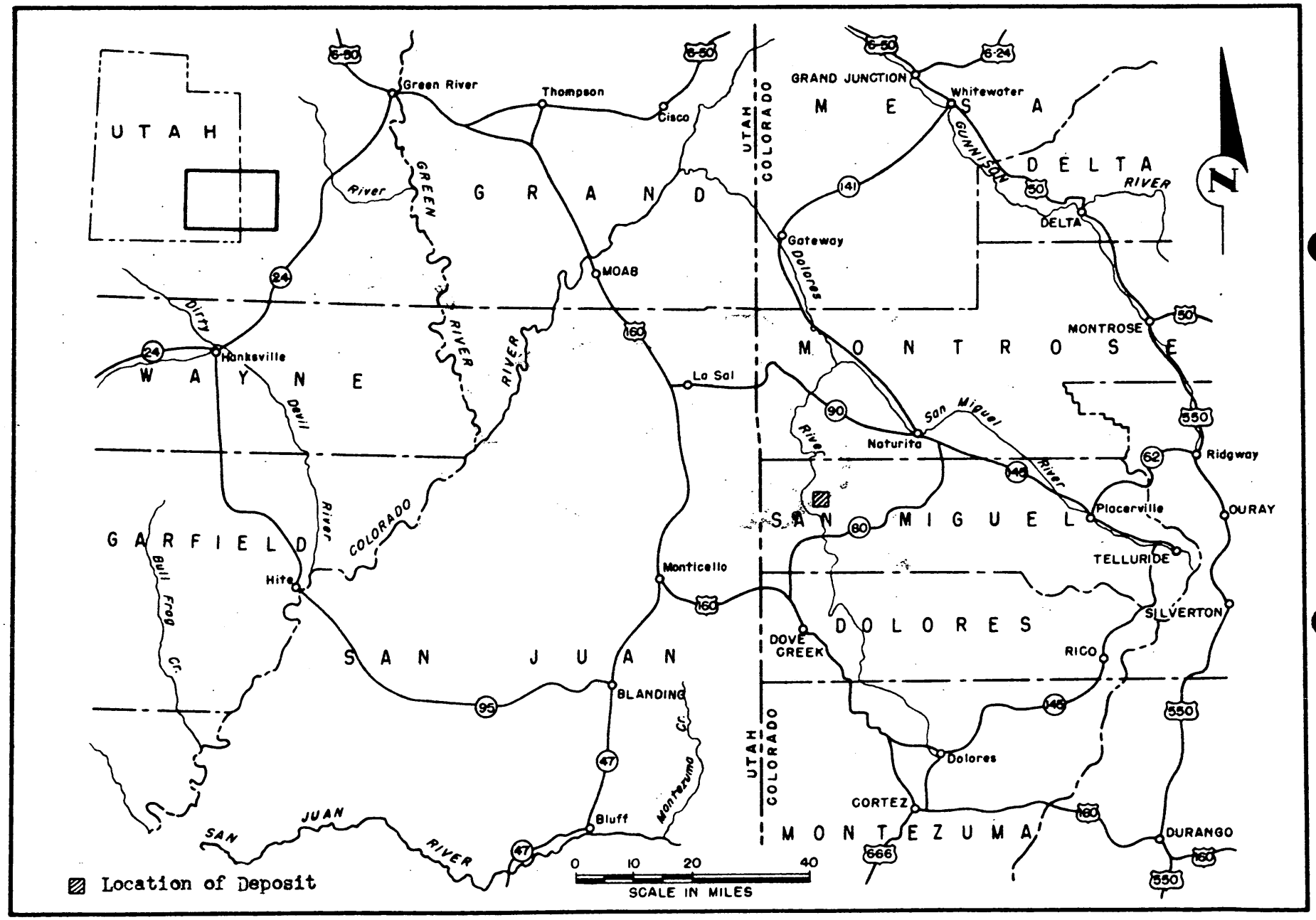

FIGURE 1 - LOCATION MAP, BURNS AND BAGBY, SUNDOWN CLAIMS, SAN MIGUEL COUNTY, COLO. (DMEA 3404)

HISTORY AND PRODUCTION

The Sundown claims are new locations and have had no production.

OWNERSHIP AND EXTENT

The application for Government assistance states that the applicants are the owners of the 36 Sundown claims (fig. 2) and that there are no liens or encumbrances against the property.

Only 9 of these claims were considered for exploration at this time by the applicants.

DESCRIPTION OF THE DEPOSITS

The partners stated in their application that they had found uranium ore on the surface of their claims. None was observed by the field examiners but it is common in this area to find small seams in the Morrison formation showing some radioactivity. In this particular area all of the uranium, in significant quantities, has been found in the Salt Wash member of the Morrison formation. The Salt Wash outcrops south of and 250 feet vertically below the Sundown claims on the Chipmunk group (DMEA 3293) which has had a small uranium production in this ore-bearing horizon. No major faulting was noted in the area and the entire series of the sedimentary rocks was traced by the field examiners from the Sundown claims through a dry gulch to the bottom of the Salt Wash on the Chipmunk group.

MINEABLE ORE RESERVES

There are no known ore reserves of any type on the applicants' claims.

PRESENT STATUS

Exploration and Development

There has been no exploratory work other than surface prospecting on the Sundown claims.

Mining and Milling Equipment and Other Facilities

There was no mining equipment on the property the day of the field examination. A cabin, not completed, is located on the Sundown No. 17 claim. The nearest mill is at Monticello, Utah, 48 miles from the property.

PROJECT PROPOSALS, WITH COSTS

The applicants proposed to drill on all of the 9 claims (fig. 2). They did not specify the exact locations of drill holes but stated that drilling would be done on, "100 foot centers contingent upon terrain features." They proposed to wagon drill all holes to a depth of 100 feet, and if deeper drilling were required, core drilling would be accomplished below the bottom of the wagon drill holes. They estimated the total wagon drill footage to be 6,000 feet. No estimate was given on the amount of core drilling but $6,000.00 was estimated for the total cost of the project.

Summary of Costs

Costs for the above drilling program, estimated by the applicants to require 12 months for completion, were summarized as follows:

1. Labor and supervision

Exploratory operations supervisor	$10.00 per day
Business supervisor and accountant	$10.00 per day
Miner	$8.00 per day
Licensed surveyor (one survey)	$225.00
Geological consultant	Not required

2. Operating materials and supplies

Fuel	$5.00 per day

3. Operating equipment

Wagon drill or core drill to be purchased	$2,000.00
Geiger counter to be purchased	$250.00
The following equipment owned by applicants and used on a rental basis:	
1 - 210-c.f.m. air compressor	$10.00 per day
3 - Rock hammers with steel	$1.50 per day each
1 - Jeep	$5.00 per day
1 - 1/2-ton pickup truck	$5.00 per day

CONCLUSIONS

It is evident from a review of the application that the applicants are not conversant with exploration for uranium or the costs of exploratory work.

It is concluded that the exploratory program outlined by the applicants, or any modification of their program, is not warranted until such time as they can show the existence of definite uranium mineralization in the target area at their own expense.

RECOMMENDATIONS

It is recommended that the application be denied.

/kp

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

224 New Customhouse
Denver 2, Colorado

September 9, 1954

Memorandum

To: Administrator, Defense Minerals Exploration Administration

From: DMEA Field Team, Region IV

Subject: Report of Examination, Docket DMEA 3404 (Uranium), Burns and Bagby, Sundown Claims, San Miguel County, Colorado.

Enclosed are the original and three copies of the report of examination on the subject docket, a copy of the letter to the applicant and two copies of Form 3b.

W. H. King
W. H. King

E. N. Hawkinson
for A. H. Koschmann

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

SEP 9 1954

Memorandum

To: Field Team, Region IV

From: Chief, Mining Division, Region IV

Subject: Report of Examination, Docket DMEA 3404 (Uranium), Burns and Bagby, Sundown Claims, San Miguel County, Colorado.

Enclosed are eleven copies of the engineering report of examination on the subject docket.

The applicants requested $6,000 to explore 9 of the 36 Sundown Claims by wagon drilling. The applicants' proposed exploration program was not made clear in the application and the applicants were not present at the field examination, but they were notified in advance of the date.

The claims are high in the Brushy Basin and approximately 250 feet stratigraphically above the known productive ore horizon in the Salt Wash member of the Morrison formation. The engineer examiner concluded that drilling to the ore horizon would be too deep to justify exploration at this time and he recommends that the application be denied.

We concur in this recommendation.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Region IV

Building 20, Room 137
Denver Federal Center
Denver 2, Colorado
September 3, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

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

Subject: DMEA 3404 (Uranium) Robert J. Burns and Vern L. Bagby (Sundown claims), San Miguel County, Colo.

Enclosed are the original and ten copies of a "Summary, Conclusions, and Recommendations" by E. M. Connors, Bureau of Mines, and D. R. Shawe, Geological Survey, and of Connors' engineering report on the above docket.

Connors concludes the Brushy Basin sandstone on the Sundown group of claims where the applicants propose exploration is generally unfavorable and is some 250 feet stratigraphically above the known ore productive horizon in the Salt Wash member of the Morrison formation. In addition, they are not apparently experienced enough with uranium exploration on the Colorado Plateau to understand and make a realistic cost estimate of the type of work proposed. Denial of the loan request is recommended.

I concur with the conclusions and recommendations.

The brochure furnished with your memorandum of June 24, 1954, instructing us to make a field examination and submit a report, is also enclosed.

W. M. Traver

W. M. Traver

enclosure

WMT/kp

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Charon

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

August 23, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 3404, Burns and Bagby, Sundown claims (uranium), San Miguel County, Colorado

Enclosed are 11 copies of a geologic report by Daniel R. Shawe of the U. S. Geological Survey covering the above docket.

Mr. Shawe concludes that the property is not in an area favorable for the occurrence of significant deposits of uranium ore and that drilling to the ore horizon would be too deep to justify exploration at this time. He therefore recommends denial of the application for exploration assistance.

E. M. Hawkman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (11)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3404, Sundown Claims

Robert J. Burns and Vern L. Bagby

San Miguel County, Colo.

Uranium

H. M. Connors, Mining Engineer
Bureau of Mines

D. R. Shawe, Geologist
Geological Survey

August 16, 1954

IMRA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

Summary, Conclusions, and Recommendations

By H. M. Conners
Mining Engineer
Bureau of Mines

D. R. Shave
Geologist
Geological Survey

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By H. M. Scomore and B. R. Shaw

Robert J. Burns and Vern L. Bagby, owners of the Sundown claims in the McIntyre Canyon area, Slick Rock district, San Miguel County, Colo., have applied for Government exploration assistance in exploring their property for uranium at an estimated cost of $5,000.00.

The property was examined on August 4, 1954, by a Defense Minerals Exploration Administration examining team in company with W. P. Williams of the Geological Survey. The applicants were advised of the date of the examination, but they or their representative failed to be present.

The field examiners found the claims to be properly staked, but found no evidence of any exploratory work having been done and no uranium mineralization was observed.

Because of the generally unfavorable nature of the Entrada Basin sandstone on the Sundown group of claims, and the location of the claims 250 feet or more stratigraphically above the known ore producing horizon in the Salt Wash member of the Morrison formation in the area, no exploration is recommended on the claims.

Denial of the application of Burns and Bagby is recommended.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. BOX 360

August 16, 1954

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: W. P. Williams

Subject: DMEA 3404, Burns and Bagby, Sundown claims (Uranium)
San Miguel County, Colo.

Transmitted herewith are eleven copies of a geologic report by Daniel R. Shawe, covering a field examination of the subject DMEA application.

Shawe points out in his brief report that geologic conditions on subject property are not favorable for the occurrences of uranium ore. Contrary to the applicants' assertion, drilling to the top ore-bearing horizons in the Salt Wash member would be too deep to justify an exploration program at this time. As a result, Shawe recommends that the subject application be denied.

W P Williams

W. P. Williams
Geologist

WPW/mlr

Enclosures

RECEIVED
SEP 16 1954

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
REPORT OF EXAMINATION BY FIELD TEAM
REGION IV

DMEA 3404, Burns and Bagby, Sundown claims
San Miguel County, Colo.

Uranium

Geologic Report

By

Daniel R. Shawe
U. S. Geological Survey

August 16, 1954

DMEA 3404

INTRODUCTION

Robert J. Burns and Vern L. Bagby, Albuquerque, New Mexico, and Naturita, Colorado, have applied (DMEA 3404) to the Defense Minerals Exploration Administration for assistance to explore for uranium ore on the Sundown claim group, McIntyre canyon area, secs. 25 and 26, T. 45 N., R. 19 W., Slick Rock district, San Miguel County, Colo. (fig. 1). The applicants propose to explore the property by drilling an unstated number of holes at an estimated cost of $6,000.00. They plan to drill wagon-drill holes to a depth of one-hundred feet, and if deeper drilling is required, to do core drilling. No specific drilling program was outlined in the application.

The claims were examined on August 4, 1954, in company with W. P. Williams, DMEA representative for the U. S. Geological Survey, and R. R. McLellan and H. M. Connors, U. S. Bureau of Mines representatives. No representative of the applicants was present at the claims at the time of examination.

The Sundown claims on which the applicants propose exploration are situated 250 feet and more stratigraphically above the known producing horizon in the Salt Wash member of the Morrison formation in the area, and no exploration is recommended on the property.

PRODUCTION

No uranium has been produced from the Sundown group of claims.

GEOLOGY

The Sundown claims on which the applicants propose exploration (Sundown 4, 5, 6, 7, 8, 9, 16, 17, and 18) are on the Brushy Basin member of the Morrison formation, about 250 to 400 feet stratigraphically above the top (ore-bearing) sandstone unit of the Salt Wash member (figure 2). Locally the sedimentary rocks dip about 2° southwest. Several sandstone lenses, none more than 20 feet thick, in the lower part of the Brushy Basin member, are exposed on the Sundown claims. Although in places the sandstone lenses show alteration similar to that in the vicinity of ore deposits in the Salt Wash member, and the applicants have reported "high grade ore samples" from the surface at the claims, the sandstones are generally unfavorable for ore. Known ore deposits in the Brushy Basin member in the Slick Rock district have been small, spotty, and difficult to find.

CONCLUSIONS AND RECOMMENDATIONS

Because of the generally unfavorable nature of the Brushy Basin sandstone on the Sundown group of claims, and the location of the claims 250 feet or more stratigraphically above the known ore producing horizon in the Salt Wash member of the Morrison formation in the area, no exploration is recommended on the claims. It is, therefore, recommended that the application for DMEA assistance be denied.

DMRA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

Engineering Report

By H. M. Connors
Mining Engineer
Bureau of Mines

MRA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

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*See figure 2 with geologic report.

DMEA 3404

SUNDOWN CLAIMS
ROBERT J. BURNS AND VERN L. BAGBY
SAN MIGUEL COUNTY, COLO.

ENGINEERING REPORT

By E. N. Connors

INTRODUCTION

Robert J. Burns, 847 Walker Street, S. E., Albuquerque, New Mex., and Vern L. Bagby, Naturita, Colo., a partnership, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Sundown Nos. 4, 5, 6, 7, 8, 9, 16, 17, and 18 claims in San Miguel County, Colo. The applicants proposed a program of wagon drilling and diamond drilling, a total of 6,000 feet of drill hole at an estimated total cost of $6,000.00.

The property was examined on August 4, 1954, by Defense Minerals Exploration Administration field representatives. The applicants were notified of the date of the field examination but failed to be present.

The field examiners found the claims to be properly staked but found no evidence of any exploratory work having been done. The Salt Wash member of the Morrison formation, the ore-bearing horizon in this area, outcrops south of the Sundown claims and is estimated to be 250 feet below the surface in the area the applicants proposed to drill.

It was concluded that drilling 250-foot wildcat holes is not warranted until such time as the applicants can show definite uranium mineralization in that horizon or any other horizon at their own expense.

ACKNOWLEDGMENTS

W. P. Williams, Geological Survey, notified the applicants by letter of the date of the field examination, but the applicants or their representative did not appear.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Sundown claims are on the Grassy Hills ridge which separates Little Gypsum Valley from McIntyre Canyon, secs. 25 and 26, T. 45 N., R. 19 W., New Mexico principal meridian, San Miguel County, Colo. (fig. 1). The claims are most readily accessible from Utah by leaving U. S. Highway 160 about 19 miles north of Monticello, Utah, and traveling east on the Dry Valley road into Colorado and across Island Mesa to Grassy Hills. The distance from Monticello to the mine is approximately 48 miles. A second and less desirable route leaves the Little Gypsum Valley road 17.5 miles south of the junction with Colorado State Highway 90. The access road winds 5 miles up the south wall of Little Gypsum Canyon to the top of Grassy Hills and to the Sundown claims overlooking McIntyre Canyon.

The area is semiarid and rugged. All supplies and equipment must be transported to the area by truck. The most accessible points of supply are Monticello and Moab, Utah, 48 and 67 miles, respectively. Water for mining and diamond drilling may be obtained from a reservoir and a spring within 3 miles of the Sundown claims. Electricity is not available in the area. Milling facilities are available at Monticello, Utah.

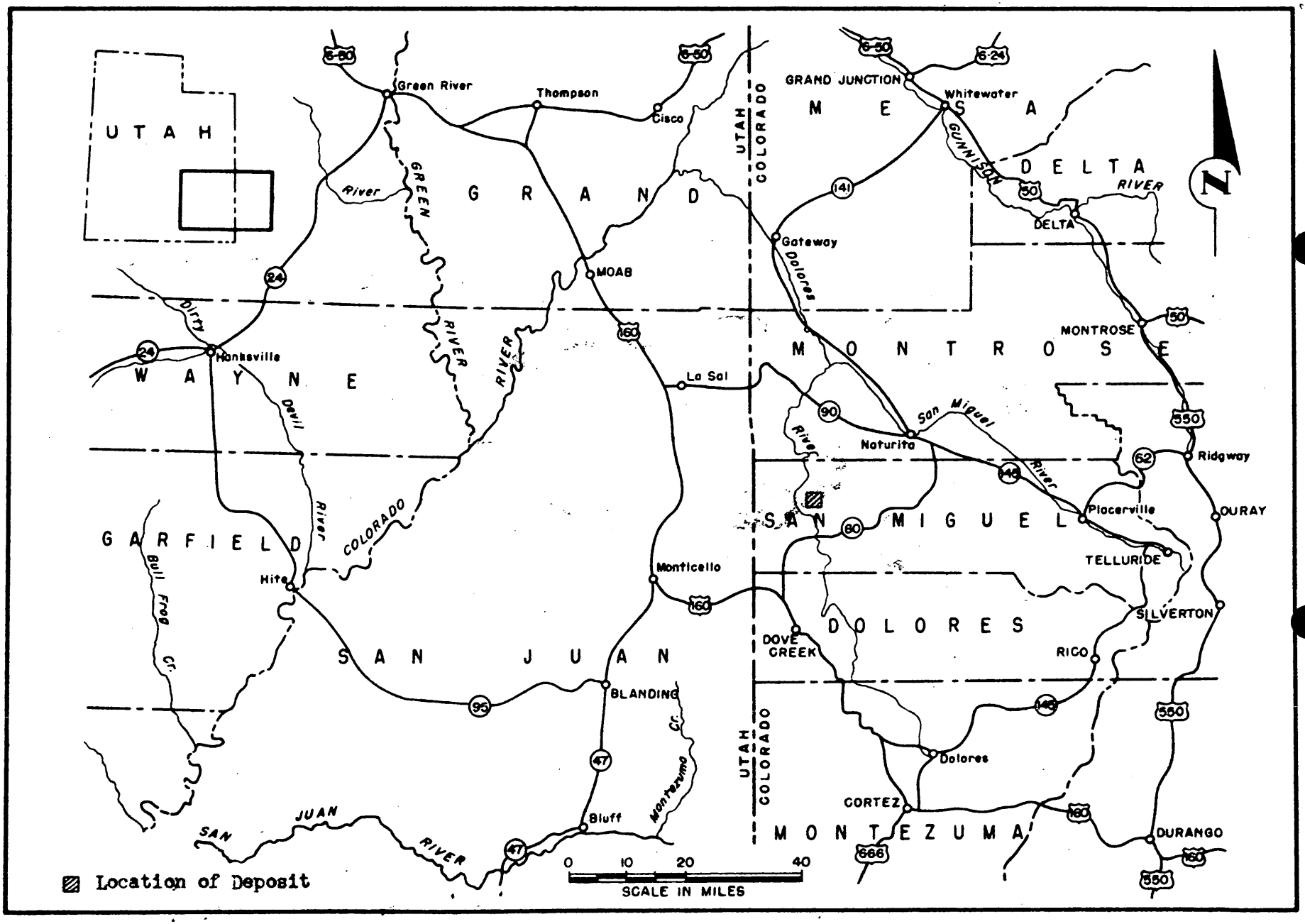


FIGURE 1 - LOCATION MAP, BURNS AND BAGBY, SUNDOWN CLAIMS, SAN MIGUEL COUNTY, COLO. (DMEA 3404)

HISTORY AND PRODUCTION

The Sundown claims are new locations and have had no production.

OWNERSHIP AND EXTENT

The application for Government assistance states that the applicants are the owners of the 36 Sundown claims (fig. 2) and that there are no liens or encumbrances against the property.

Only 9 of these claims were considered for exploration at this time by the applicants.

DESCRIPTION OF THE DEPOSITS

The partners stated in their application that they had found uranium ore on the surface of their claims. None was observed by the field examiners but it is common in this area to find small seams in the Morrison formation showing some radioactivity. In this particular area all of the uranium, in significant quantities, has been found in the Salt Wash member of the Morrison formation. The Salt Wash outcrops south of and 250 feet vertically below the Sundown claims on the Chipmunk group (MMMA 3293) which has had a small uranium production in this ore-bearing horizon. No major faulting was noted in the area and the entire series of the sedimentary rocks was traced by the field examiners from the Sundown claims through a dry gulch to the bottom of the Salt Wash on the Chipmunk group.

MINEABLE ORE RESERVES

There are no known ore reserves of any type on the applicants' claims.

PRESENT STATUS

Exploration and Development

There has been no exploratory work other than surface prospecting on the Sundown claims.

Mining and Milling Equipment and Other Facilities

There was no mining equipment on the property the day of the field examination. A cabin, not completed, is located on the Sundown No. 17 claim. The nearest mill is at Monticello, Utah, 48 miles from the property.

PROJECT PROPOSALS, WITH COSTS

The applicants proposed to drill on all of the 9 claims (fig. 2). They did not specify the exact locations of drill holes but stated that drilling would be done on, "100 foot centers contingent upon terrain features." They proposed to wagon drill all holes to a depth of 100 feet, and if deeper drilling were required, core drilling would be accomplished below the bottom of the wagon drill holes. They estimated the total wagon drill footage to be 6,000 feet. No estimate was given on the amount of core drilling but $6,000.00 was estimated for the total cost of the project.

Summary of Costs

Costs for the above drilling program, estimated by the applicants to require 12 months for completion, were summarized as follows:

1. Labor and supervision

Exploratory operations supervisor	$10.00 per day
Business supervisor and accountant	$10.00 per day
Miner	$8.00 per day
Licensed surveyor (one survey)	$225.00
Geological consultant	Not required

2. Operating materials and supplies
   Fuel — $5.00 per day

3. Operating equipment
   Wagon drill or core drill to be purchased — $2,000.00
   Geiger counter to be purchased — $250.00
   The following equipment owned by applicants and used on a rental basis:
   1 - 210-c.f.m. air compressor — $10.00 per day
   3 - Rock hammers with steel — $1.50 per day each
   1 - Jeep — $5.00 per day
   1 - 1/2-ton pickup truck — $5.00 per day

CONCLUSIONS

It is evident from a review of the application that the applicants are not conversant with exploration for uranium or the costs of exploratory work.

It is concluded that the exploratory program outlined by the applicants, or any modification of their program, is not warranted until such time as they can show the existence of definite uranium mineralization in the target area at their own expense.

RECOMMENDATIONS

It is recommended that the application be denied.

/ky

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

224 New Customhouse
Denver 2, Colorado

June 25, 1954.

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: Code 200

From: Executive Officer, DMEA Field Team, Region IV

Subject: Docketing for Exploration Assistance

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

Robert J. Burns (Uranium)
Vern L. Bagby
San Miguel County, Colorado

United States Uranium Company (Uranium)
711 - 17th Street
Denver 2, Colorado

W H King
W. H. King

Enclosures

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

224 New Customhouse
Denver 2, Colorado

June 24, 1954

Mr. Robert J. Burns
247 Walker St., SE
Albuquerque, New Mexico

Re: Application for DMEA Assistance (Uranium), Robert J. Burns and Vern L. Bagby, San Miguel County, Colorado

Dear Mr. Burns:

This will acknowledge receipt of your revised application (transmittal letter dated June 20, 1954) on the Sundown claims of the B and B Mining Company.

You will be advised prior to the date of the field examination so your representative may be present at that time.

Very truly yours,

W H King

W. H. King
Executive Officer
DMEA Field Team
Region IV

RDB:es

cc: Docket
Administrator DMEA
Traver
Koschmann
Chron.

MF-103
(Revised April 19..)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 3404
Metal or Mineral Uranium
Date Received
Estimated Cost $6,000
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Robert J. Burns, 247 Walker ST SE Albuquerque New Mexico
Vern L. Bagby, Naturita, Colorado.
A PARTNERSHIP OF THE ABOVE

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Sundown Claims No. 4, 5, 6, 7, 8, 9, 16, 17, 18. located in the Lower McIntyre Drainage Area, San Miguel County, Colorado.

(*b*) State any mine name by which the property is known. Sundown Claims. B & B Mining Co.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise See attached sheet
Applicants are owners of those claims

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

(*e*) If you own the land, describe any liens or encumbrances on it Not applicable
There are no liens or encumbrances against this property

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

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. Not applicable

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

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

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

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

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

(*c*) The work will start within 30 days and be completed within 12 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. See attached sheet

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). None

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. See attache sheet

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 1 June, 1954

Robert Burns
(Applicant)

By

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

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

Attached Sheet Form MF103

Par. 4 (a)
At present a prospecting survey has been made on these claims by sampling of outcroppings of ore veins, samples of high grade uranium ore in Caronite deposits have been found. No mining or exploration work has been done other than this. This operation is a joint partnership agreement between Robert J. Burns and Vern L. Bagby exclusive, on an equal share basis. Claims are available for examination purpose by access roads from Dove Creek and Naturuta, Colorado. Vern L. Bagby, Naturita, Colorado, should be contacted by mail to determine a date and formulate agrangements for examination.

Par 4 (b) Not applicable.

Par 4 (c)
Claims are located on high ridges adjacent to the west of the Gypsum Valley area, on the Colorado side of the Utah, Colorado State line. Exact location is known as the Lower McIntyre Drainage Area, San Miguel County, Colorado and the reference point is Quarter Section Marker 26-25-36-35 T45N,R19W. Type of deposits is believed to be of vein formation in Caronite deposits. It is believed that there are high grade uranium ore deposits located in these claims as surface samplings have produced high grade ore samples. Further exploration is deemed advisable by test borings of these claims as it is believed that within a depth of less than one hundred feet sizable deposits will be found. Exploration is desired to the end of developing these claims into a working mine for the purpose of production of uranium ores.

Par 4 (d)
These claims are located on accesable truck roads from the State of Utah. Ore would probably be shipped to the mill at Monticello, Utah. Access to claims from Dove Creek and Naturita, Colo. is by all weather gravel road and jeep road to claims. Distance to Monticello, Utah is approximately 35 miles. Supply point is Naturita, Colo. approximately 25 miles. Residence is within five miles of claim.

Par 4 (e)
Manpower has already been arranged for as partner Vern L. Bagby is presently on site at claims with one employee and arrangements have been made to employ another qualified miner. Materials, supplies and equipment are readily available in Naturuta and Dove Creek, Colo. Water and power arenot considered essential to this operation.

Par 5 (b)
It is proposed to make exploration drillings in all claims as shown on the attached map. The first exploratory drillings will probably be carried out in the area indicated due to indications in terrian that support this decision and some surface outcroppings in this area. It is believed that this area will have the least overburden overlying ore deposits.

Par 5 (d)
In this partnership Robert J. Burns is presently a Chief Warrant Officer, U.S. Army on duty with the Corps of Engineers. Mr Burns has 17 years service in the Army the past seven in the Supply Field which has acquainted him with all types of supply activities, construction, costs, equipment, accounting, supervision of large numbers of civilian and military employees and business management procedures. Vern L. Bagby.

Robert J. Burns, 247 Walker St SE
Albuquerque New Mexico.
Vern L. Bagby, Naturita, Colorado.

Attached Sheet No. 2, Form MF-103.

Par 5 (d) continued.

has for the past twenty years been employed in the mining industry in the states of Colorado and Nevada. He has worked at all types of mining in all rock formations of these areas. He has at times operated his own mines as well as supervised other employees in mining operations. Mr Bagby is well familar with mine construction, operation and maintenance of all types of mining machinery and has been engaged in uranium mining in this area for the past two years on lease enterprises. He further can operate common types of road building equipment. This partnership is based on the experience of the two individuals concerned both from a business stand point and from an operations standpoint. Mr Bagby will be in complete charge of explorations and development operations. Mr. Burns will be in charge of business operations.

Par 6 (a) None

Par 6 (b)
The following is an estimate of labor, supervision, engineering and geological consultants per day of work performed.

Exploratory operations supervisor	$10.00 per day
Business supervisor and accountant	10.00 per day
Miner	8.00 per day
Licensed surveyor (one survey)	$225.00 estimate
Geological consultant	Not required.

Par 6 (c) Items of equipment of cost of less than $50.00 are considered to be of a minor nature as this would consist of common hand tools already owned by this partnership. Fuel requirements would consist of necessary petroleum products required to operate equipment and is estimated at $5.00 per day of operation or approximately $1,000.00 for a 12 month period.

Par 6 (d)
It is contemplated purchasing the following equipment; one wagon drill or core drill at a cost of approximately $2,000.00 and one Geiger counter at approximately $250.00. The following listed equipment is presently owned by the applicants and is at the claims. It is estimated that the following is a fair rental price for this equipment for each day in use:

One 210 CFM Air compressor	$10.00 per day
Three rock hammers with steel	1.50 per day each
One Jeep	5.00 per day
One 1/2 Ton Pick Up Truck	5.00 per day

Par 6 (e) None required
Par 6 (f) None
Par 6 (g) Not applicable
Par 6 (h) None

Par 7 (a) This partnership is prepared to furnish money to the extent of $2,000.00 as our share in accordance with Sec 7, DMEA No. 1, and has established a commercial bank account with the Bank of New Mexico, Albuquerque, New Mexico under the name of the B & B Mining Company for this purpose and in this amount. Further this partnership will furnish the following equipment on a rental basis; One compressor at $10.00 per day, three rock hammers with steel at $1.50 per per hammer, one Jeep at $5.00 per day, one pick-up truck at $5.00 per day, one drill, wagon or core $8.00 per day, one Geiger counter $2.00 per day, miscellaneous hand tools at no cost.

Vern E. Bagby, Naturita, Colo.

Robert J. Burns, 247 Walker St SE
Albuquerque New Mexico
Naturita, Colorado

Attached sheet to Form MV-103

Par. 3, c.

Location Certificate have been filled and recorded at San Miguel County Courthouse Telluride, Colorado as follows:

Sundown Claim No. 4, Book No. 224 Page No. 10 recorded 6 May 1953

Sundown Claim No. 5, Book No. 224 Page No. 11 recorded 6 May 1953

Sundown Claim No. 6, Book No. 224 Page No. 12 recorded 6 May 1953

Sundown Claim No. 7, Book No. 224 Page No. 13 recorded 6 May 1953

Sundown Claim No. 8, Book No. 224 Page No. 14 recorded 6 May 1953

Sundown Claim No. 9, Book No. 224 Page No. 15 recorded 6 May 1953

Sundown Claim No. 16, Book No.224 Page No. 22 recorded 6 May 1953

Sundown Claim No. 17, Book No. 224 Page No.23 recorded 6 May 1953

Sundown Claim No. 18, Book No. 224 Page No. 24 recorded 6 May 1953

Robert J. Burns
247 Walker St SE Albuquerque New Mexico

Vern L. Bagby
Naturita, Colorado

Paragraph 3. f. Form 1F 103.

Book and Page Number where Location Notice is Recorded:

All recordings are listed in San Miguel County Courthouse, Telluride, Colorado.

Sundown Claim No. 4. Page No. 270 Book No. 23 date recorded 5/17/54

Sundown Claim No. 5. Page No. 272 Book No. 23 date recorded 5/17/54

Sundown Claim No. 6. Page No. 280 Book No. 23 date recorded 5/17/54

Sundown Claim No. 7. Page No. 281 Book No. 23 date recorded 5/17/54

Sundown Claim No. 8. Page No. 282 Book No. 23 date recorded 5/17/54

Sundown Claim No. 9. Page No. 283 Book No. 23 date recorded 5/17/54

Sundown Claim No. 16. Page No. 284 Book No. 23 date recorded 5/17/54

Sundown Claim No. 17. Page No. 285 Book No. 23 date recorded 5/17/54

Sundown Claim No. 18. Page No. 286 Book No. 23 date recorded 5/17/54

Robert J. Burns
247 Walker St SE. Albuquerque New Mexico

Vern L. Bagby
Naturita, Colorado

Attached Sheet Form MP103

Par 5 b, continued.

It is proposed to drill in all nine of the claimscoutlined on the enclosed map. Exact location of each drill hole cannot be spotted on claim map as drilling will be done on~~e~~ one hundred foot centers contingent upon terrain features. The claims are of a tabled s trata and are broken by shallow canyons and rims of rock that make some areas unaccesable. It is proposed to use a wagon drill for this drilling up to a depth of one hundred feet and if nec essary to drill deeper it will require core ddrilling beyond this depth. By wagon drill it is proposed to drill to depths of one hundred feet for each hole with a total of approxiametely 6000 feet the total estimated drill hole footage. Estimate cannot be given at this time on core drilling footage as depth of drill holes by this method cannot be estimated.

Par 6 continued.

Estimated cost of work proposed under paragraph 5 is....$4,500.00
(exclusive of core drilling)

Estimated total cost of whole project is.... $6,000.00

Robert J. Burns
247 Walker St S.E.
Albuquerque New Mexico

Vern L. Bagby
Naturita, Colorado.

Rebolled 8 of 5 pp 88

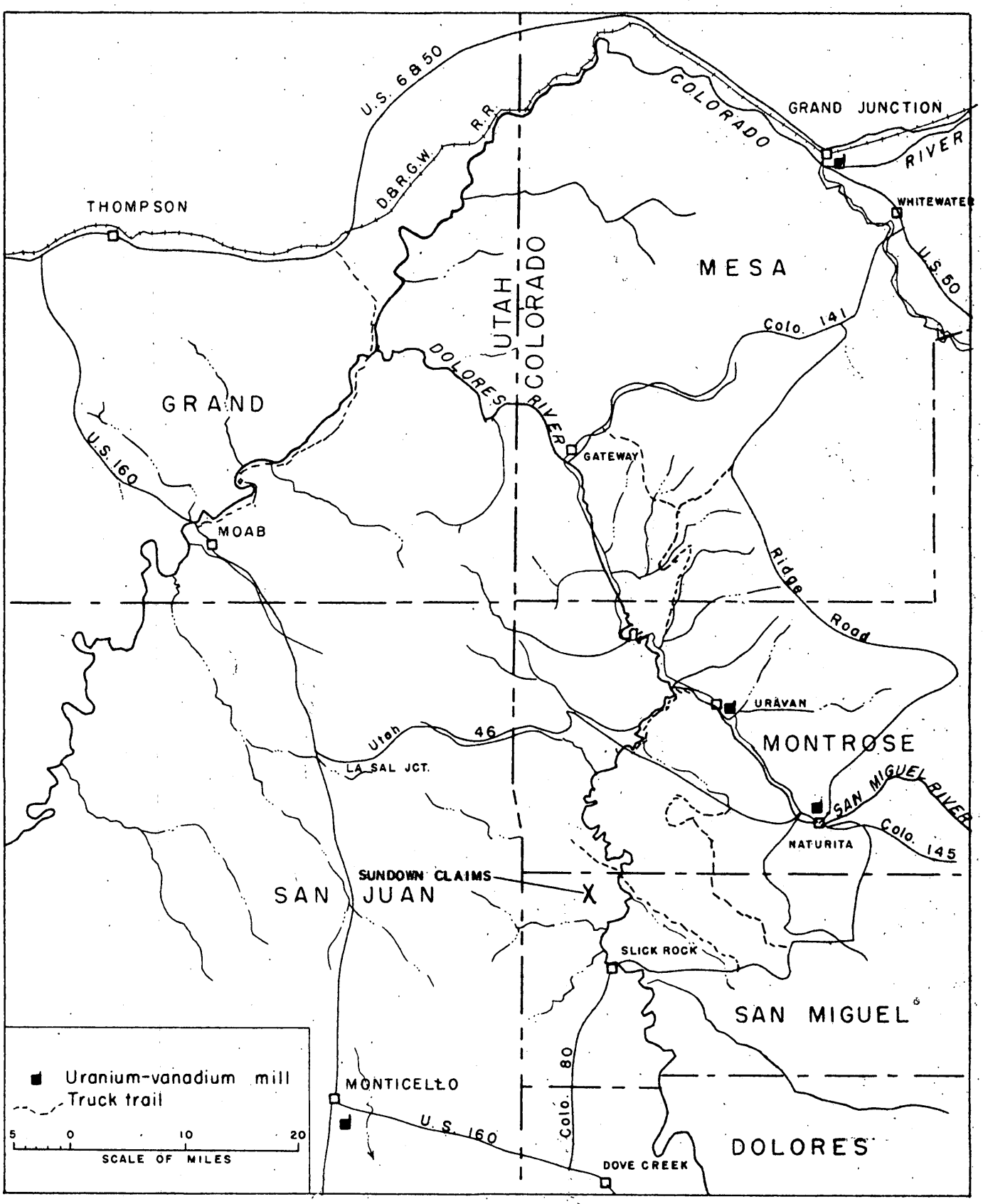
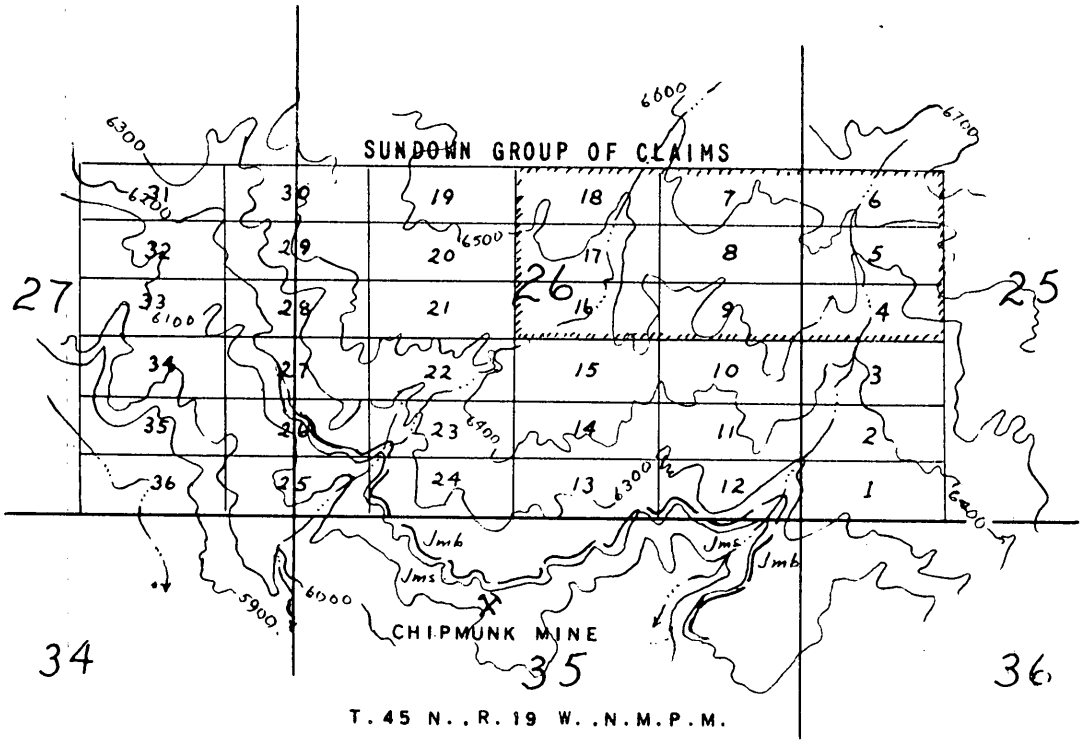


FIGURE 1. INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING LOCATION OF THE SUNDOWN GROUP OF CLAIMS, SAN MIGUEL COUNTY, COLORADO



EXPLANATION

N

Jmb / Jms — CONTACT BETWEEN BRUSHY BASIN AND SALT WASH MEMBERS OF THE JURASSIC MORRISON FORMATION

CLAIMS OUTLINED BY HACHURES ARE THOSE WHERE APPLICANTS PROPOSE EXPLORATION.

TOPOGRAPHY FROM U.S. GEOLOGICAL SURVEY QUADRANGLE MAPS, ANDERSON MESA AND HORSE RANGE MESA.

2000 0 4000 FEET

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL

Figure 2. SKETCH MAP OF SUNDOWN GROUP OF CLAIMS, MONTROSE COUNTY, COLORADO

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

OFFICIAL BUSINESS

[illegible] of Mines
[illegible] Box 560
Juneau, Alaska

25 OCT 1954 ALASKA

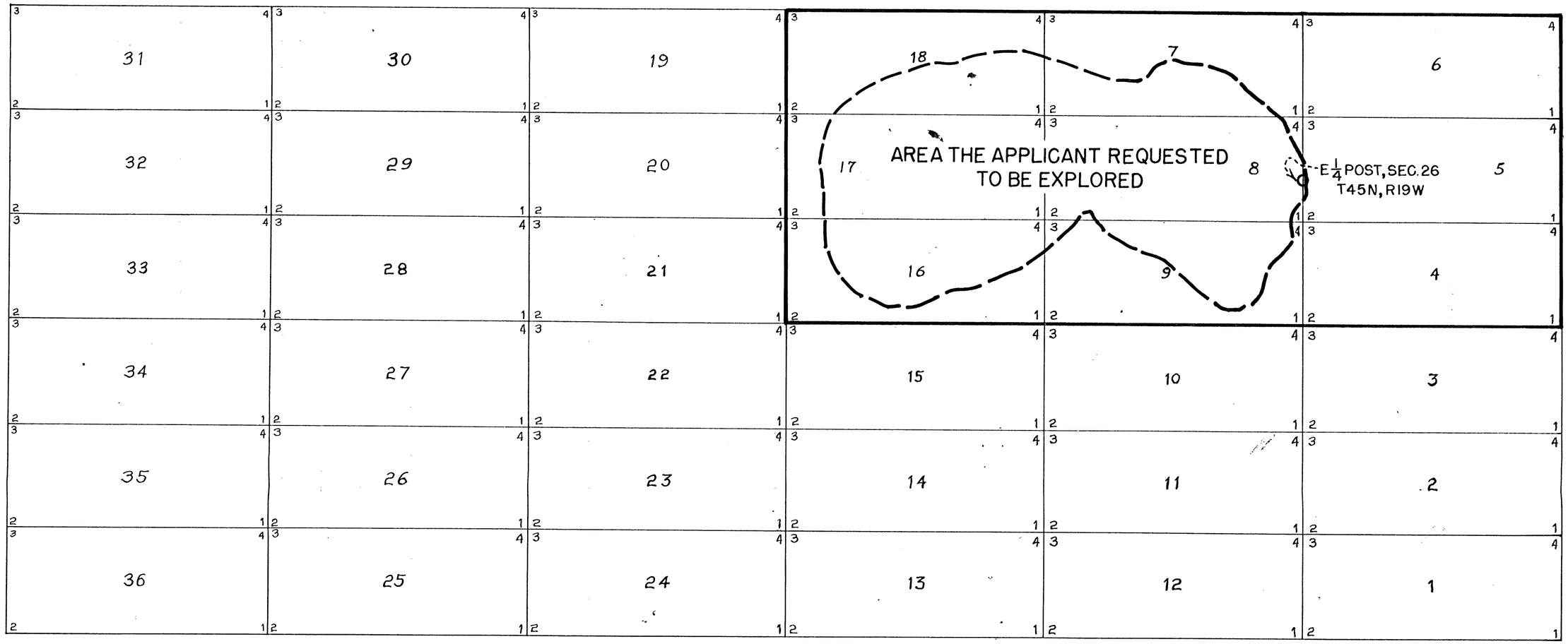
U.S. POSTAGE

VIA AIR MAIL

U. S. DEPARTMENT OF THE INTERIOR

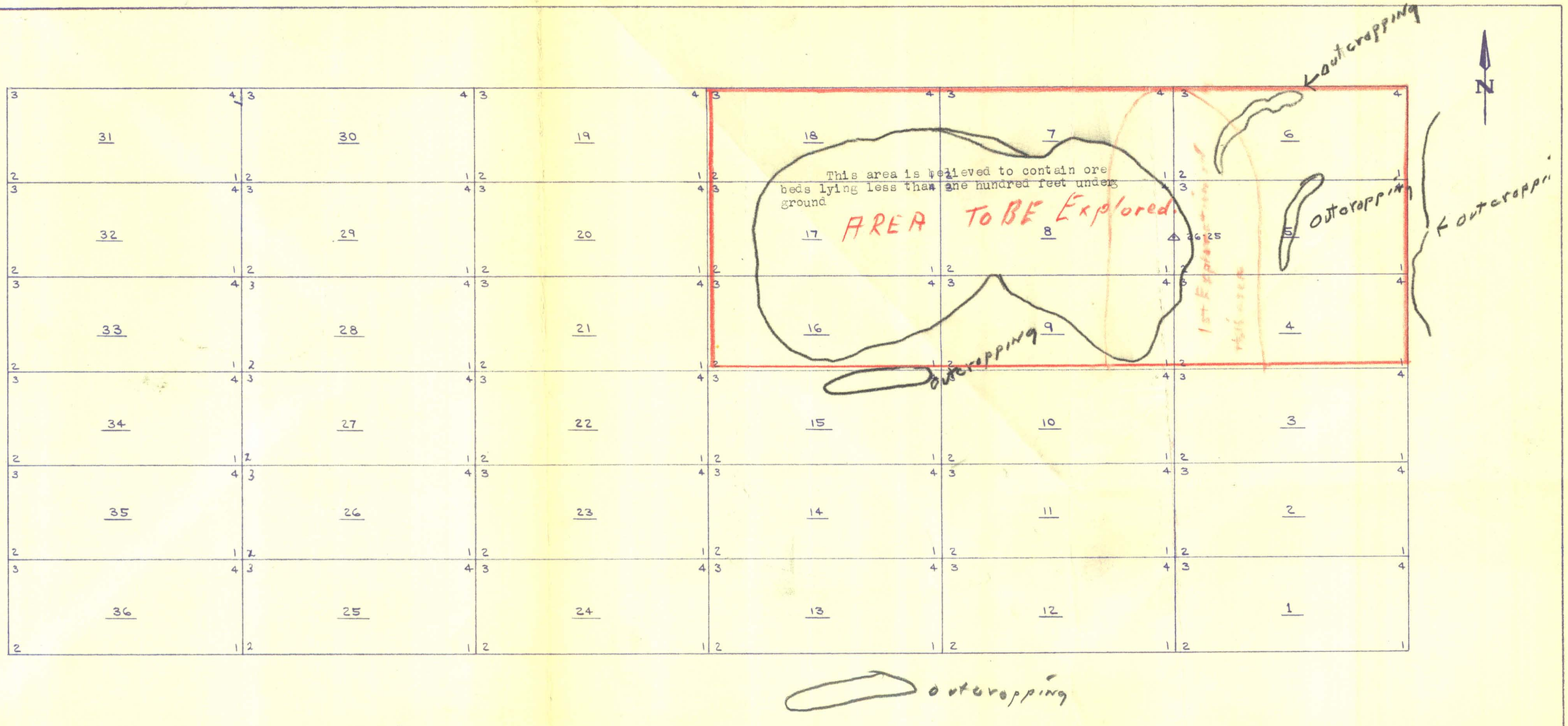
DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.



MAP SUBMITTED BY
APPLICANT

FIGURE 2 – CLAIM MAP, BURNS AND BAGBY, SUNDOWN CLAIMS, SAN MIGUEL COUNTY, COLO. (D.M.E.A. 3404)



GROUP OF SUNDOWN CLAIMS

SCALE 1" = 500'