6/10/55

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

RECEIVED JUN 10

224 New Customhouse
Denver 2, Colorado

June 6, 1955

Memorandum

To: Chairman of the Operating Committee, DMEA

From: Field Team, Region III

Subject: Report of Examination, Docket DMEA-3708 (Uranium), Golden Bear Uranium, Inc., State Line group of claims, San Juan County, Utah

Enclosed are the original and three copies of the report pertaining to the above application.

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

W. M. Traver

E. N. Harshman

Enclosures

DMEA
Date Rec'd.

MAY 23 1955

RECEIVED

BUREAU OF MINES
Building 20, Room 137
Denver Federal Center
Denver 2, Colorado

Region III

TRANSMITTED

JUN 6 1955

May 20, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: John F. Shaw, Supervising Mining Engineer

Subject: DMEA 3708 (Uranium), Golden Bear Uranium, Inc., (Black Bird, Blue Bird, and Red Bird groups), San Juan County, Utah

Enclosed are the original and eleven copies of a "Summary, Conclusions, and Recommendations" by Carl Balser, mining engineer, and James C. Warman, geologist, and the original and eleven copies of an engineering report by Carl Balser.

The Golden Bear Uranium, Inc., applied for exploration assistance in the amount of $70,684.00 to explore the Black Bird, Blue Bird, and Red Bird groups by 25,480 feet of diamond drilling. The field examination was made on May 10, 1955, by an examining team from the Geological Survey and the Bureau of Mines. The examining team concluded that there was little likelihood of a significant amount of uranium being discovered as a result of the proposed exploration.

It is recommended that the application be denied.

John F. Shaw

John F. Shaw

Enclosures

cc 11
DMEA 3708
Chron

JFS/cm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
SERIES XII

DMEA 3706, Black Bird, Blue Bird, and Red Bird Groups
Golden Eagle Uranium, Inc.
San Juan County, Utah

Uranium

James C. Warman, Geologist
Geological Survey

Carl Palmer, Mining Engineer
Bureau of Mines

May 19, 1955

DMRA 3708

BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS
GOLDEN BEAR URANIUM, INC.
SAN JUAN COUNTY, UTAH

TRANSMITTED

JUN 6 1955

Summary, Conclusions, and Recommendations

By James C. Maryan
Geologist
Geological Survey

Carl Balser
Mining Engineer
Bureau of Mines

MEXA 3708
BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS
GOLDEN BEAR URANIUM, INC.
SAN JUAN COUNTY, UTAH

SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS

By James C. Wasman and Carl Belser

The Golden Bear Uranium, Inc., Harold W. Baber, President, 248 North First Street, Reno, Nevada, has applied for Defense Minerals Exploration Administration assistance in a $70,684.00 program to explore the Black Bird, Blue Bird, and Red Bird groups by 25,480 feet of diamond drilling.

A field examination was made on May 10, 1955, by an examining team from the Geological Survey and the Bureau of Mines. Robert O. Harding, consulting engineer and geologist, accompanied the examining team and represented the applicant.

The 34 unpatented claims lie in a solid block on a rolling mesa to the west of State Line Draw at altitudes estimated to range from 6,800 to 7,300 feet. The claims are in secs. 4, 5, 8, and 9, T. 28 S., R. 26 E., Salt Lake base and meridian, San Juan County, Utah.

The exposed rocks are of the Brushy Basin member of the Morrison formation of the Upper Jurassic and the Burro Canyon and Dakota formations of the Lower Cretaceous. In the vicinity of the claims the Salt Wash member of the Morrison is estimated to be 250 feet thick and the Brushy Basin member 400 feet thick. The Burro Canyon formation is about 70 feet thick and the tan colored Dakota sandstone about 40 feet thick. The known ore bodies in the area occur in the two upper rims or sandstone lenses of the Salt Wash.

Adjacent to the Blue Bird No. 11 and No. 12 claims to the west and on the Sunin Homestead to the south, the Hunt Oil Company is reported to have had very poor Salt Wash sands in their recent diamond drilling. The core of a Hunt Oil Company hole east of Blue Bird No. 1 claim indicates that between the depths of 356 feet and 401 feet, the drill penetrated a 10-feet and a 15-foot lens of grey sandstone and bottomed in red sandstone.

No apparent channels were visible and all previous drilling around three sides of the applicant's proposed exploration project indicated unfavorable Salt Wash sands.

The examining team recommends that the application be denied.

MRBA 3708
BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS
GOLDEN BEAR URANIUM, INC.
SAN JUAN COUNTY, UTAH

Engineering Report

By Carl Belser
Mining Engineer
Bureau of Mines

BMRA 3708
BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS
GOLDEN BEAR URANIUM, INC.
SAN JUAN COUNTY, UTAH

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ILLUSTRATIONS

Figure — Follows Page

1. Location map, Black Bird, Blue Bird, and Red Bird groups, Golden Bear Uranium, Inc., San Juan County, Utah. BMRA 3708 2

2. Claim map showing proposed drilling, Black Bird, Blue Bird, and Red Bird groups, Golden Bear Uranium, Inc., San Juan County, Utah. BMRA 3708 2

DMEA 3708
BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS
GOLDEN BEAR URANIUM, INC.
SAN JUAN COUNTY, UTAH

ENGINEERING REPORT

By
Carl Balser

INTRODUCTION

Golden Bear Uranium, Inc., 848 North First Street, Reno, Nevada, submitted an application to the Defense Minerals Exploration Administration on February 16, 1955, for aid in an exploration project on the Black Bird, Blue Bird, and Red Bird groups near State Line Draw, San Juan County, Utah. The application, DMEA 3708, requested assistance in completing 85,400 feet of diamond drilling at a total estimated cost of $70,684.00 - Government participation 75 percent, or $53,013.00. This proposed exploration was to test the upper two rims of the Salt Wash member of the Morrison formation for uranium mineralization.

A joint field examination was made by a Geological Survey and Bureau of Mines examining team on May 10, 1955. The examining team, as a result of their investigation, recommended that the application be denied.

ACKNOWLEDGMENTS

Robert G. Harding, consulting engineer and geologist, accompanied the examining team and represented the applicant.

W. F. Williams, geologist, Colorado Plateau region, Geological Survey, Grand Junction, Colo., assigned James C. Warman, geologist,

to make the examination as the Geological Survey member of the team. Warnaa was accompanied by Wm. B. Carter, geologist, Geological Survey.

The Atomic Energy Commission was consulted regarding the area before the examination was made.

LOCATION, TOPOGRAPHY, AND CLIMATE

The Black Bird, Blue Bird, and Red Bird groups, consisting of a solid block of 34 unpatented claims, are on the west side of State Line Draw in secs. 4, 5, 8, and 9, T. 28 S., R. 26 E., Salt Lake base and meridian, San Juan County, Utah (figs. 1 and 2).

The claims are on a rolling mesa on which tan colored Dakota sandstones outcrop on the ridges. The general slope of the area is southeast.

There are several logging roads on the claims and an alternate Paradox-La Sal road traverses the south six claims of the claim block. Easterly from the property, it is 9 miles by road to Paradox, Colo., 28 miles to Uravan, Colo., 39 miles to Naturita, Colo., and 92 miles to Ridgway, Colo. To the west, it is 16 miles to La Sal, Utah, 48 miles northwest to Moab, Utah, and 84 miles northwest to Thompson, Utah. Mail and telephone facilities, groceries, gasoline, and light supplies are available at La Sal and Paradox. Mine supplies and labor are obtainable in Moab, Uravan, and Naturita. Ore buying depots are at Thompson, Moab, Uravan, and Naturita. The nearest railroad is the Denver and Rio Grande Western at both Thompson and Ridgway. Altitudes at the property range from 6,800 to 7,300 feet. Annual rainfall is somewhat greater than in most of the plateau area and snow blocks the road during the late winter months. Water for

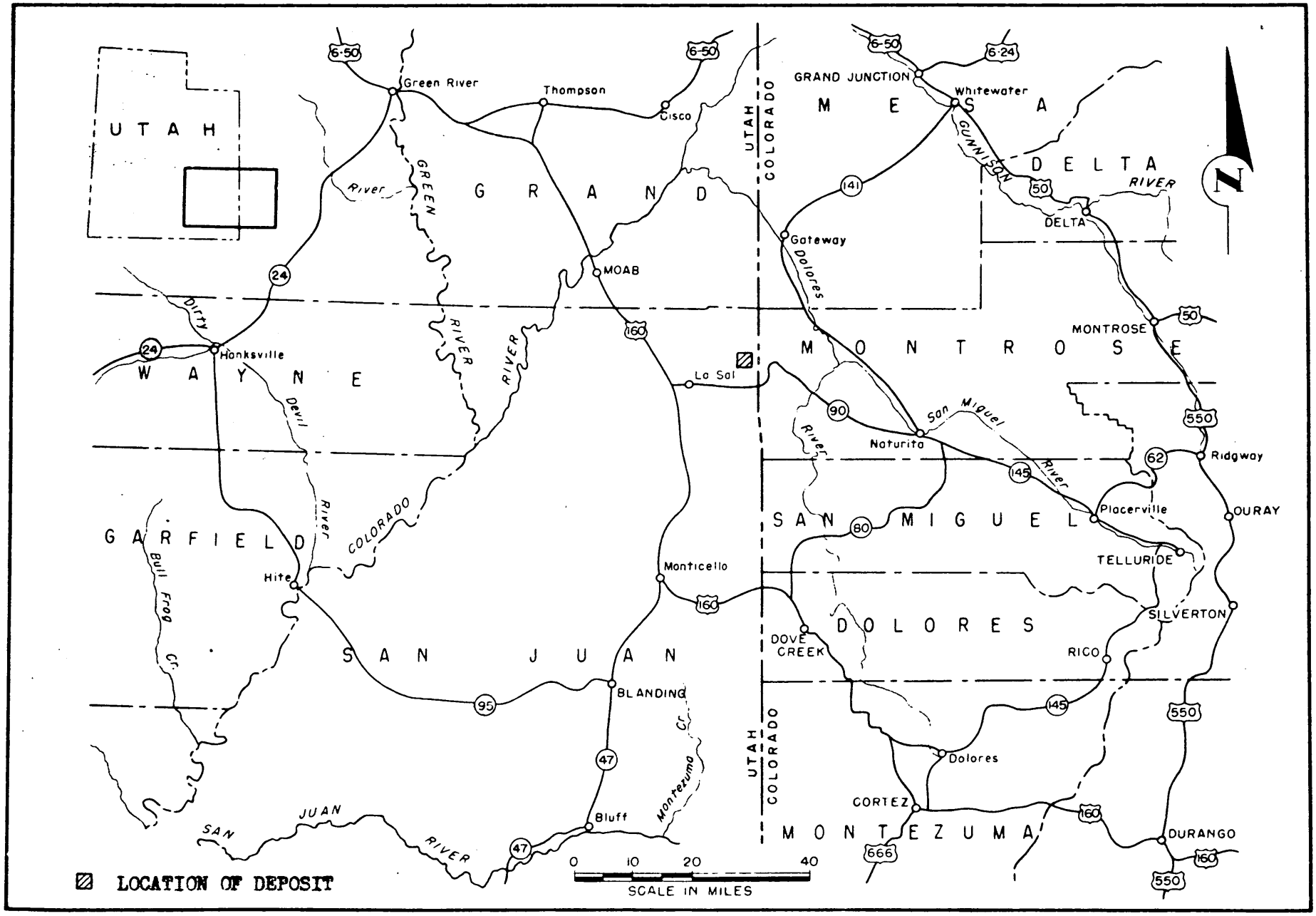


FIGURE 1 - LOCATION MAP, BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS, GOLDEN BEAR URANIUM, INC., SAN JUAN COUNTY, UTAH. DMEA 3708

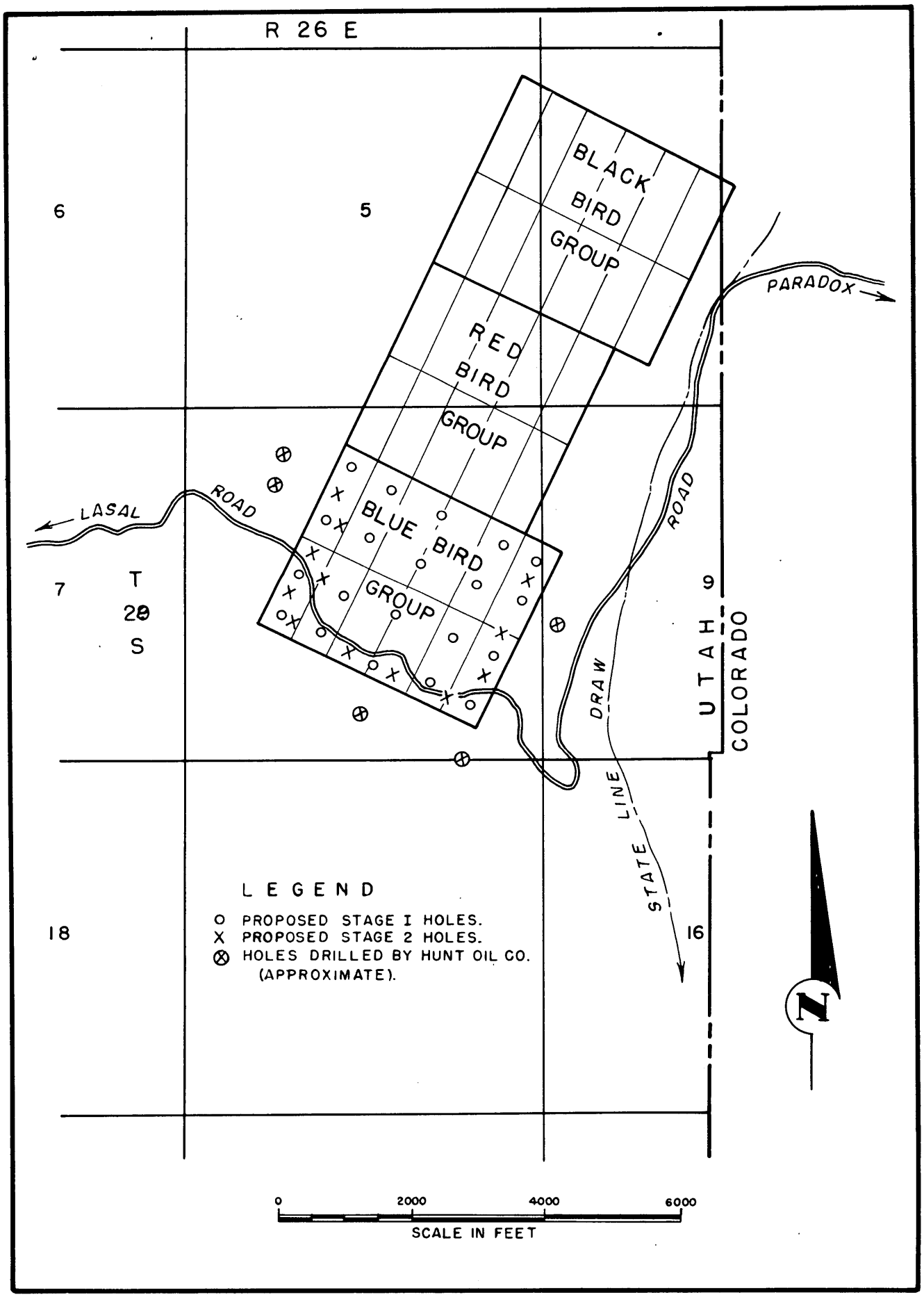


FIGURE 2-CLAIM MAP SHOWING PROPOSED DRILLING, BLACK BIRD, BLUE BIRD, AND RED BIRD GROUPS, GOLDEN BEAR URANIUM INC., SAN JUAN COUNTY, UTAH. DMEA 3708

drilling can be obtained from Hay Creek or Buckeye reservoir. Ponderosa pine and pinon abound on the property and a large saw mill is located on the road 8 miles west of the claims.

HISTORY AND PRODUCTION

Vanadium has been produced for many years from mines along La Sal Creek, about 3-1/2 miles due south of the property. Prospecting for uranium ores became of interest following the introduction of the Government buying schedule in 1948 and the entire area near the Black Bird, Blue Bird, and Red Bird group has been staked. The Little Peter, Hay Burn, Fire Fly, Uranium Queen, Grenlich group, and Yellow Bird, all producing mines, are located near La Sal Creek. The applicant's claim group, which was located in 1954, has no Salt Wash exposures, and has not been explored by drilling or other work to date. The Hunt Oil Company recently drilled on the Red Hawk claims to the west, the Swain homestead to the south and west of State Line Draw on the east with negative results (fig. 2).

OWNERSHIP AND EXTENT

The 34 unpatented claims are in secs. 4, 5, 8, and 9, T. 28 S., R. 26 E., Salt Lake base and meridian, San Juan County, Utah. They are recorded in the office of the Recorder of San Juan County, Utah, as follows:

Claim	Book	Page	Location Date	Recording Date	Locator
Red Bird #1	103	433	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #2	103	433	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #3	103	434	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #4	103	434	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #5	103	435	3/1/54	6/1/54	Clyde M. Sterner

Claim	Book	Page	Location Date	Recording Date	Locator
Red Bird #6	103	435	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #7	103	436	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #8	103	436	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #9	103	437	3/1/54	6/1/54	Clyde M. Sterner
Red Bird #10	103	437	3/1/54	6/1/54	Clyde M. Sterner
Black Bird #1	103	438	3/25/54	6/1/54	Clyde M. Sterner
Black Bird #2	103	438	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #3	103	438	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #4	103	439	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #5	103	439	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #6	103	440	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #7	103	440	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #8	103	441	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #9	103	441	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #10	103	442	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #11	103	442	5/25/54	6/1/54	Clyde M. Sterner
Black Bird #12	103	443	5/25/54	6/1/54	Clyde M. Sterner
Blue Bird #1	103	443	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #2	103	444	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #3	103	444	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #4	103	445	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #5	103	445	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #6	103	446	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #7	103	446	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #8	103	447	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #9	103	447	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #10	103	448	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #11	103	448	5/1/54	6/1/54	Clyde M. Sterner
Blue Bird #12	103	449	5/1/54	6/1/54	Clyde M. Sterner

The same claims were recorded by Golden Bear Uranium, Inc., under Public Law 585 on September 7, 1954, and are of record in Book 179, Pages 226-232.

The original locator, Clyde M. Sterner, gave an unrecorded quit claim deed to A. M. Stocks. A quit claim deed for the property was given on July 15, 1954, by A. M. and Lena Stocks to John Sandberg and John T. Sheperd. A quit claim deed was given by John and Minnie E. Sandberg and John T. and Lovelia B. Sheperd to Golden Bear Uranium, Inc. on January 31, 1955.

DESCRIPTION OF THE DEPOSITS

Uranium mineralization occurs in the upper two sandstone rims or lenses of the Salt Wash member of the Morrison formation which appears to be dipping from 2 to 8 degrees to the south in the area near the property. Drilling a few hundred feet to the west of the Blue Bird claims indicated that no Salt Wash sandstones were present, and drilling to the south and east of these claims indicated thin sandstone lenses and red mudstones. Nothing is known concerning the Salt Wash sandstones on the property but they are assumed to be in thin lenses and unfavorable for uranium deposits.

MINABLE ORE DEPOSITS

There are no known minable ore reserves on or near the property.

PRESENT STATUS

Exploration and Development

There are no mine workings on the property and the assumed ore horizon is 360 to 600 feet below the surface.

Mining and Milling Equipment and Other Facilities

There is no mining or milling equipment on the property and the only facility consists of logging roads that could be used as access roads to drill sites.

PROPOSED EXPLORATION

The applicant proposed to explore the property by 25,480 feet of drilling on the Blue Bird claims (fig. 2). The project was to be drilled in three stages. Stage I consisted of 11,100 feet (20 holes) of diamond

drilling in holes spaced 800 to 900 feet apart. Stage II consisted of 6,380 feet (12 holes) of diamond drilling on 400- to 450-foot centers. Stage III consisted of 8,000 feet (about 15 holes) of offset drilling to delineate ore found in Stage I and Stage II drilling.

ESTIMATED COST OF PROJECT

The application, as submitted included most of the expenses to be considered in a drilling project.

Estimated Cost of Core Drilling

The applicant expects all diamond drilling and bulldozing to be let to independent contractors. No charges for labor, accounting, materials, insurance, or payroll taxes are shown and the cost of assaying is low. His total estimated cost is $300.00 in error, and his itemized costs are as follows:

Independent Contracts		
Diamond drilling. 25,480 feet at $2.50 per foot	$63,700.00	
Bulldozing roads and drill sites. 72 hours at $12.00 per hour	864.00	
Total Independent Contracts		$64,564.00
Labor and Supervision		
Labor	none	
Supervision		
Supervisor, 4 months at $600.00 per month	$ 2,400.00	
Geological consultant, 30 days at $50.00 per day	1,500.00	
Total Labor and Supervision		$ 3,900.00
Operating materials and Supplies	none	
Operating Equipment		
Depreciation	none	
Rental		
1 Golden Bear new station wagon 180 days at $10.00 per day	$ 1,800.00	
Total Operating Equipment		$ 1,800.00

Initial Rehabilitation and Repairs	None	
New Buildings, Improvements, etc.	None	
Miscellaneous		
Assaying. 40 assays at $3.00 each	$ 120.00	
Total Miscellaneous		$ 120.00
Contingencies	None	
Total estimated core drilling costs		$70,384.00
Average cost per foot for 25,480 feet of drilling		$ 2.76

SUMMARY COST OF PROJECT

Diamond drilling 25,480 feet at $2.76 a foot	$70,384.80
Government participation - 75 percent	$52,743.60

CONCLUSIONS

The nearest Salt Wash exposures are about two miles to the east. There are no shipping mines within the same radius. Holes drilled on three sides of the Blue Bird claims penetrated thin Salt Wash sandstone lenses and red mudstones. As far as can be ascertained these Salt Wash sandstones are unfavorable for the formation of sizable uranium ore deposits in this area.

RECOMMENDATIONS

The examining team recommends that the application be denied.

/mh

IN REPLY REFER TO:
DMEA
Date Rec'd,

RECEIVED JUN 1 1955

JUN 2 1955
BUREAU OF MINES
Denver, Colorado

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

June 1, 1955

TRANSMITTED

JUN 6 1955

Memorandum

To: Field Team, Region III

From: E. N. Harshman

Subject: DMEA Docket 3706 (Uranium), Golden Bear Uranium, Incorporated, State Line group of claims, San Juan County, Utah

Enclosed are 10 copies of a geologic report by J. C. Harman, U. S. Geological Survey, covering his examination of the above subject property.

The potential ore-bearing horizon is in the Salt Wash member of the Morrison formation. It lies at depths of from 400 to 600 feet below the ground surface.

There are no outcrops of the Salt Wash "ore-bearing sandstone" on or near the applicant's property. Studies by the U. S. Geological Survey and data from private drilling to the east and west of the State Line claim group indicates that the Salt Wash sandstone in the immediate vicinity of the property is not favorable for occurrence of significant deposits of uranium ore.

Harman concludes that the proposed exploration will not result in the discovery of minable uranium deposits, and he recommends denial of the application for exploration assistance.

I concur with this recommendation.

E. N. Harshman

E. N. Harshman
Member, Field Team

Enclosures (10)

EHHarshman:arh

MINERAL DEPOSITS
DMEA
RECEIVED
MAY 31 1955
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
COLORADO PLATEAU DISTRICT
P. O. BOX 360
GRAND JUNCTION, COLORADO

RECEIVED
JUN 10 1955

May 25, 1955

TRANSMITTED
JUN 6 1955

Memorandum

To: E. N. Harshman, DMEA Field Team, Region III

From: W. P. Williams

Subject: DMEA 3708, Golden Bear Uranium, Incorporated, State Line group of claims, San Juan County, Utah

Transmitted herewith are 12 copies of a geologic report by J. C. Warman, covering a field examination of the above-referenced property. We are returning herewith the brochure covering this application.

Warman concludes that because 1) there is no outcrop of upper Salt Wash "ore-bearing sandstones" on or near the applicant's property; 2) there is no mineralization on or near the applicant's property; 3) drilling distance would be in excess of 400 feet; 4) unfavorable sandstone lies immediately east and west of the property; 5) the property is located at considerable distance from known deposits and favorable trends, that the application for DMEA assistance be denied. I concur with Warman's recommendation.

The Exploration Division of the U. S. Atomic Energy Commission, Grand Junction Operations Office was asked for assistance in evaluating the property. The Commission had no specific data about the property.

WPWilliams

W. P. Williams
Geologist

WPW/mlr

Enclosures

cc: John F. Shawe

UNITED STATES DEPARTMENT OF THE INTERIOR

DOUGLAS McKAY, SECRETARY

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

DMEA 3708, Golden Bear Uranium, Incorporated, State Line group of claims, San Juan County, Utah

Uranium

Geologic Report

by

J. C. Warman
U. S. Geological Survey

May 24, 1955

DMEA 3708

INTRODUCTION AND SUMMARY

On May 10, 1955, Carl Belser of the U. S. Bureau of Mines, W. D. Carter and J. C. Warman of the U. S. Geological Survey, and R. G. Harding, consultant engineer and geologist for the Golden Bear Uranium, Incorporated of Reno, Nevada, visited the State Line group of claims including: Black Bird Nos. 1 to 12 inclusive; Red Bird Nos. 1 to 10 inclusive; and Blue Bird Nos. 1 to 12 inclusive. The examination was limited to the southernmost Blue Bird group of claims on which the applicant proposes a drilling program.

Access is gained to the State Line claim group from U. S. Highway 160 by turning east at LaSal Junction and traveling 16.5 miles via Utah Route 46 to Redd's Ranch, then 8.5 miles via the unimproved alternate LaSal-Paradox road which runs through the Blue Bird group. The claims are accessible at all times, except for a brief period during the winter when the alternate LaSal-Paradox road may be deeply drifted with snow. The State Line group of claims is located in the Paradox Mining District in secs. 4, 5, 8, and 9, T. 28 S., R. 26 E., San Juan County, Utah. The Blue Bird group lies principally in sec. 8 (fig. 2).

GEOLOGY

The State Line group of 34 claims follows generally the flat top of a long rock spur composed of the Cretaceous Burro Canyon and Dakota sandstone formations. The spur runs southwesterly and is bordered on the west by Hop Creek and on the east by State Line Draw. The Blue Bird group of claims on which drilling is proposed by the applicant, lies across the southern tip of the spur. Over most of the area the surface is a dip slope on the sandstone, the beds of which strike N. 50°, W., and dip 3° to 4° southwest.

A vertical joint system roughly parallels the strike of the exposed sandstone beds. In the hollows and in minor draws on both sides of the spur, the Brushy Basin member of the Jurassic Morrison formation is exposed. Minimum drilling depths through the uppermost "ore - bearing sandstone" of the Salt Wash member of the Morrison formation would be approximately 400 feet for the few holes proposed to be located on the Brushy Basin slopes. The majority of the proposed holes would have to be approximately 600 feet deep to penetrate the "ore-bearing" salt Wash sandstone.

Drilling and related studies by the U. S. Geological Survey in the La Sal Creek area have revealed that uranium-vanadium deposits in the "ore-bearing sandstone" of the Salt Wash member are clustered in a favorable area that is about 2,000 feet wide and, roughly, six miles long. This favorable belt trends roughly east-northeast. Private drilling has revealed the possibility of a similar favorable belt approximately two miles north of the LaSal Creek area although a definite trend has not yet been determined. At the present time it is believed that this new belt will roughly parallel the LaSal Creek favorable area and lie at least one mile to the south of the Blue Bird claims of the applicant.

Information obtained on recent private drilling immediately to the east and to the west of the Blue Bird group of claims indicates unfavorable conditions for occurrence of uranium-vanadium ore bodies in the Salt Wash "ore-bearing sandstone".

CONCLUSIONS AND RECOMMENDATIONS

In summary it is well to note that: 1) there is no outcrop of the Salt Wash "ore-bearing sandstone" on or near the applicant's property; 2) there is no mineralization on or near the applicant's property; 3) great drilling depths are required to penetrate the Salt Wash "ore-bearing sandstone"; 4) unfavorable "ore-bearing sandstone" was found immediately east and west of the Blue Bird group of claims; 5) completely untested ground lies to the north; and 6) the distance from known deposits and the trends of favorable areas indicate that the proposed drilling program would be unlikely to find minable deposits. Therefore, it is recommended that the subject application be denied.

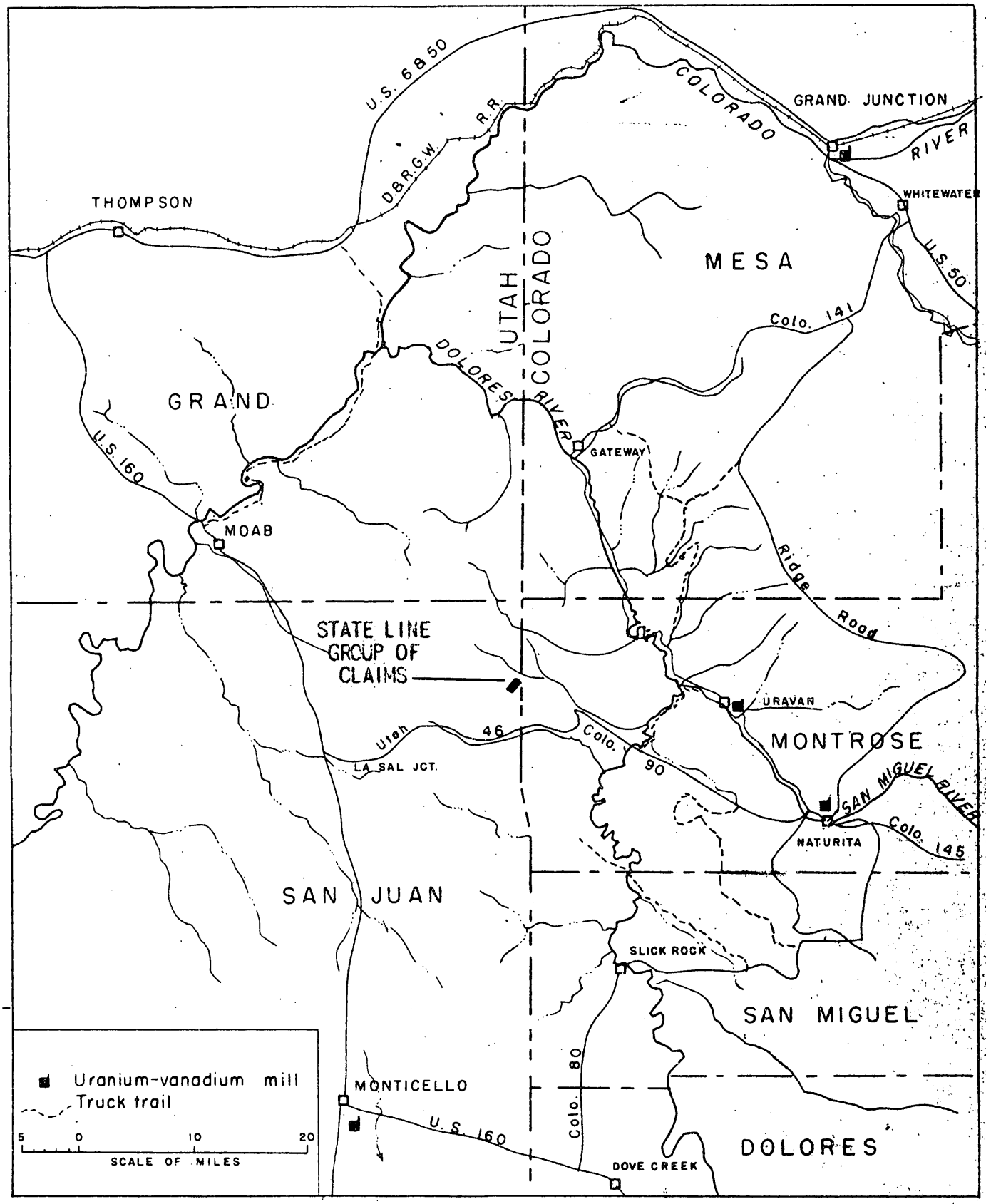
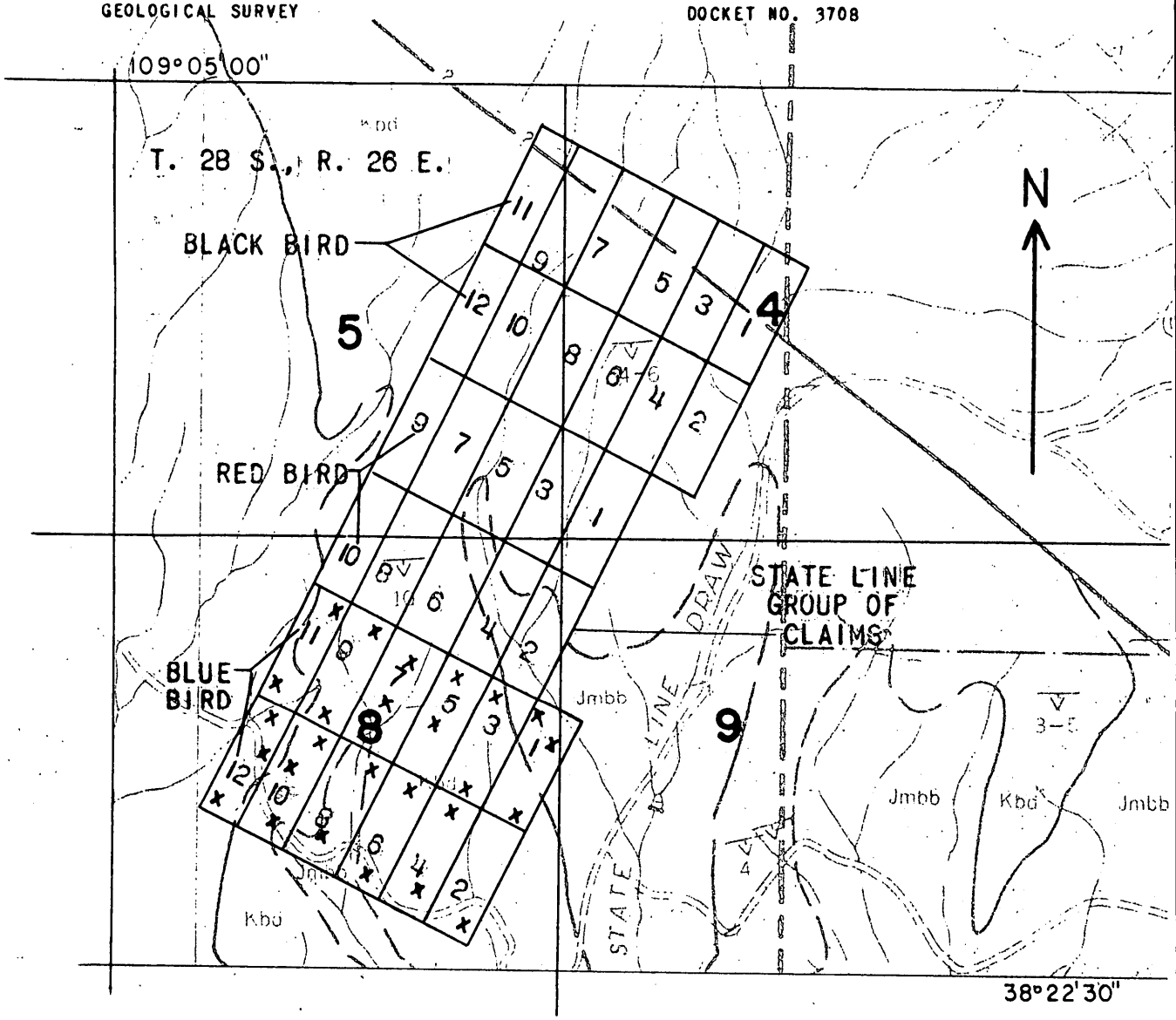


Figure 1. INDEX MAP OF PART OF THE COLORADO PLATEAU SHOWING LOCATION OF BLACK BIRD NOS. 1-12, RED BIRD NOS. 1-10, BLUE BIRD NOS. 1-12, STATE LINE GROUP OF CLAIMS, GOLDEN BEAR URANIUM INC., SAN JUAN COUNTY, UTAH

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
DOCKET NO. 3708



EXPLANATION

Kbd	CRETACEOUS BURRO CANYON AND DAKOTA SANDSTONE UNDIFFERENTIATED
Jmbb	JURASSIC BRUSHY BASIN MEMBER OF MORRISON FORMATION
? ?	GEOLOGIC CONTACT DASHED WHERE APPROXIMATELY LOCATED
? U D	FAULT, U, UPTHROWN SIDE, D, ~~DOWNTHROWN~~ SIDE (?) PROBABLE OR DOUBTFUL FAULT
V	STRIKE AND DIP OF BEDS
X	LOCATION OF PROPOSED DRILL HOLE

Note: BASE FROM U. S. GEOLOGICAL SURVEY PHOTOGEOLOGIC QUADRANGLE MAP MT. PEALE 1. LAND LINES AND CLAIM BOUNDARIES FROM APPLICANTS MAP.

2000 0 4000 FEET

Figure 2. GEOLOGIC MAP SHOWING LOCATION OF PROPOSED DRILLING ON BLACK BIRD NOS. 1-12, RED BIRD NOS. 1-10, BLUE BIRD NOS. 1-12, STATE LINE GROUP OF CLAIMS, GOLDEN BEAR URANIUM INC., SAN JUAN COUNTY, UTAH