DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO._____

DMEA NO. 5038

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [X] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

May 27, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 29 1958
DATE | INITIAL | CODE

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Application for DMEA Aid (Uranium) Giant Cycle Corporation (Standen-Taylor, DePue, and Metal Oxide Leases) Fall River County, South Dakota

Enclosed are the original and two copies of the subject application. One copy of the application is being retained in our file.

The Applicant proposes to explore a reported mineralized target area by 16,500 feet of non-core rotary drilling and 2,400 feet of core drilling at a total estimated project cost of $33,356.00. The item of radiometric probing was omitted from the Applicant's estimate of costs.

The application failed to indicate the location of the AEC drilled ore hole, or the location of the mine workings on the Taylor lease.

We are advised that the Applicant will submit copies of drilling bids to this office in the near future.

By J. W. Townsend,
Alternate Acting
Executive Officer

Encls.

GIANT CYCLE CORPORATION
POST OFFICE BOX 86
COLORADO SPRINGS, COLORADO

May 24, 1958

DMEA
DEPARTMENT OF THE INTERIOR
MAY 26 1958
REGION III
DENVER, COLORADO

RE: Application for DMEA Loan
Giant Cycle Corporation
P.O.Box 86
Colorado Springs, Colorado

United States Department of the Interior
Defense Minerals Exploration Administration
New Customhouse Building
Denver, Colorado

Gentlemen:

The attached is our application for a D.M.E.A. Loan on:

The Standen-Taylor, DePue and Metal Oxide Leases.

Trusting that this gives all the information necessary for further processing of our application. Should there be further information or data needed, please advise and we will furnish same as soon as possible. Awaiting your reply with interest.

Yours very truly,

GIANT CYCLE CORPORATION

Max W. Bowen

Max W. Bowen
Executive Vice-President

MWB:hr

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 29 1958

| DATE | INITIALS | CODE |
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Form MF-1033
Revised Oct. 1957

EXHIBIT "C"

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

# APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

**NAME OF APPLICANT** (Full legal name and mailing address as it should appear on contract if one is executed)

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
MAY 26 1958
REGION III
DENVER, COLORADO

**APPLICANT NOT TO USE THIS BLOCK**

| | |
|---|---|
| Docket Number | DMEA-5038 |
| Date Received | 5-29-58 |
| Government Participation % | |
| Region | III |
| Division Code | 700 |

**BUSINESS ORGANIZATION** (Check one)

- Individual [ ]
- Corporation [XX]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized: Delaware

**LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE**

| Name | Address | Title |
|---|---|---|
| Merrill E. Shoup, | Colorado Springs, Colorado | President |
| M. W. Bowen, | " " " | Exec.Vice-Pres. |
| H. Bates, | " " " | Secretary |
| John Jacobs, Jr., | " " " | Treasurer |

Mineral(s) for which you wish to explore: Uranium

Estimated Cost of Project: $ 33,356.00

**LOCATION OF PROPERTY**

| Name | County | State |
|---|---|---|
| Standen-Taylor, DePue & Mineral Oxide | Fall River | So.Dakota |

## GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Revised, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

## 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.

May 24, 1958
*Dated*

Max W. Bowen
BY *(Signature)*

Executive Vice-President
*Title*

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

## INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

*(a)* State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

*(b)* State all the names by which you know the property.

*(c)* State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

*(d)* Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

*(a)* Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

*(b)* State your interest, if any, in operations stated in 2*(a)*.

*(c)* State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

*(d)* Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

*(e)* Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

*(f)* State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

*(g)* Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

*(a)* To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

*(b)* Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

*(a)* Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

*(b)* If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

*(c)* In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

*(a)* Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

*(b)* Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

*(c)* Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

*(d)* Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

*(e)* Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

*(f)* New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

*(g)* Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

*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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Revised.

*(b)* Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 25960

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

STANDEN-TAYLOR LEASE
DePUE LEASE
METAL OXIDE LEASE

## TABLE OF CONTENTS


| | Page No. |
|---|---|
| Information Required for Application | 1 |
| Exhibit "A" Copy of Lease and Settlement Sheets | 7 |


## LIST OF ILLUSTRATIONS


| | |
|---|---|
| Exhibit "B" Claim Map | Back Folder |
| Exhibit "B" Map showing Position of Drill Holes for D.M.E.A. Loan | Back Folder |
| ~~Exhibit "C" Form MF-103~~ | ~~Back Folder~~ |
| Exhibit "D" Drillers' Bids | Back Folder |

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

## INFORMATION REQUIRED WITH APPLICATION

## STANDEN TAYLOR LEASE, DEPUE LEASE AND METAL OXIDE LEASE

1. Applicants' Property Rights

Standen Taylor Lease

1. (a) Consists of 320 acres or 16 claims located in N½ Section 35, T.7S., R.2E., Fall River County, South Dakota.

| NAME OF CLAIMS | PAGE RECORDED | BOOK RECORDED | DATE |
|---|---|---|---|
| Jackson 1 & 2 | 517 | 31M | 10/23/52 |
| Jackson 3 & 4 | 518 | 31M | 10/23/52 |
| Taylor 1 & 2 | 515 | 31M | 10/23/52 |
| Taylor 3 & 4 | 516 | 31M | 10/23/52 |
| Betty J. 1 & 2 | 513 | 31M | 10/23/52 |
| Betty J. 3 & 4 | 514 | 31M | 10/23/52 |
| Nettie L. 1 & 2 | 511 | 31M | 10/23/52 |
| Nettie L. 3 & 4 | 512 | 31M | 10/23/52 |

These claims are recorded in Fall River County Courthouse, Recorder's office, Fall River County, Hot Springs, South Dakota.

1. (a) DePue Lease

Consists of approximately 140 acres or 57 claims located in Sections 26 & 27, T.7S., R.2E., Fall River County, South Dakota.

| NAME OF CLAIMS | PAGE RECORDED | BOOK RECORDED | DATE |
|---|---|---|---|
| Virginia "C" | 314 | 31M | 6/27/52 |
| Virginia "$C_1$" | 314 | 31M | 6/27/52 |
| Virginia "$C_2$" | 315 | 31M | 6/27/52 |
| Button 1 | 316 | 31M | 6/27/52 |
| Button 2 | 315 | 31M | 6/27/52 |
| Viking 1 | 316 | 31M | 6/27/52 |

These claims are recorded in Fall River County Courthouse, Recorder's office, Fall River County, Hot Springs, South Dakota.

1. (a) Metal Oxide Lease

Consists of 16 claims or approximately 280 acres located in Section 25 & 26, T. 7S., R.2E., Fall River County, South Dakota.

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

| NAME OF CLAIMS | PAGE RECORDED | BOOK RECORDED | DATE |
|---|---|---|---|
| Goof Off 1 | 356 | 31M | 10/1/52 |
| Goof Off 2 | 357 | 31M | 10/1/52 |
| Goof Off 2.5 | 357 | 31M | 10/1/52 |
| Goof Off 2.75 | 57 | 33M | 4/17/53 |
| South View 1 & 2 | 285 | 31M | 6/5/52 |
| South View 3 & 4 | 286 | 31M | 6/5/52 |
| South View 5 & 6 | 287 | 31M | 6/5/52 |
| Valley View 7 | 335 | 31M | 8/12/52 |
| South View 8 | 335 | 31M | 8/12/52 |
| South View 9 | 336 | 31M | 8/12/52 |
| Berit 1 | 174 | 31M | 7/12/52 |
| Berit 2 | 175 | 31M | 7/12/52 |

These claims are recorded in Fall River County Courthouse, Recorder's office, Fall River County, Hot Springs, South Dakota.

1. (b) Standen Taylor Lease, DePue Lease and Metal Oxide Lease.

1. (c) Lessee--Refer to Exhibit "A",Copy of Lease.

Owner- Standen Taylor Lease--Mr. Jack Standen and Mrs. Nettie L. Taylor.

Edgemont, South Dakota

DePue Lease--Mr. Milford DePue, 3024 Yale Ave., Venice, California.

Metal Oxide Lease--Mr. Irvin Kenner, Present address unknown.

1. (d) None

2. Physical Description

2. (a) Refer to Exhibit "B", Claim Map.

At present time there is no production from this area. The past production is unknown. The A. E. C. has drilled hole No. 454, which drilled commercial ore. It is on the DePue Group of claims.

2. (b) None

2. (c) Taylor and Virginia "C" had production from Fall River formation. Records unavailable.

2. (e) The formations present are in the Inyan Kara group of Early Cretaceous age.

The surface formation is the Fall River formation and is 50 feet thick, of sandstone, siltstones and mudstones. Directly below is the Fuson formation, composed of mostly siltstones and mudstones with some thin sandstone lenses. This unit is 120 feet thick. The Lakota formation lies below the Fuson and is about 135 feet thick. This formation is mostly fine grained sandstone with thin, siltstone-mudstone stringers.

Commercial grade ore has been mined on the DePue and Taylor properties. The drilling indicates ore grade uranium in the Lakota formation. The A. E. C. has drilled several widely spaced holes and have found mineralization in the form of primary ores at a depth of 235 feet. This mineralization occurs in a broad channel, which trends northwest.

Numerous small deposits have been mined in the Lakota formation in Craven and Red Canyons, north of this area. It has been reported by Pictograph Mining & Uranium Company, Inc. that they had drilled out 30,000 tons of uranium in the Lakota formation in an area 4 miles southeast of the DePue and Taylor Property.

It seems evident that a well engineered drilling program would be successful in discovering a larger commercial uranium deposit in the Lakota formation.

2. (f) The Fall River formation has been a successful producer in the above described area and we desire to test the underlying Lakota formation. The Lakota formation has been drilled by the A. E. C. An ore hole containing 2 feet of 0.65% $U_3O_8$ has been drilled.

2. (g) No reports available.

3. <u>Accessibility of Project</u>

3. (a) J. J. Seerley and L. E. Lewis, Giant Cycle Corporation, Edgemont, South Dakota. The property is located 10 miles north of Edgemont, South Dakota on a Fall River county road.

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

3. (b) Edgemont, South Dakota

Ten miles between Edgemont and the property.

4. The Exploration Project

4. (a) We propose to test the Lakota formation. Refer to Exhibit "B", Map showing Position of Drill Holes.

| | | |
|---|---|---|
| No. of holes (First Stage) | = | 25 Plug Holes |
| No. of holes (Second Stage) | = | 30 Plug Holes |
| No. of holes (Third Stage) | = | 8 Core Holes |

4. (b) No access road necessary

4. (c) Start work immediately on completion of Bear Lodge D. M. E. A. program. Completion time four (4) months. Anticipated daily average 300 feet.

5. Experience

The applicant company is managed by the Golden Cycle Corporation, P. O. Box 86, Colorado Springs, Colorado.

Golden Cycle Corporation has been mining for some sixty years, owns and operates gold mines in Cripple Creek, Colorado; operates a shaft uranium mine on a government lease near Uraven, Colorado, and has other mining and commercial investments. The project will be directly supervised by J. J. Seerley, a mining engineer with 12 years experience and L. E. Lewis, a geologist with 7 years experience, with 3 years in uranium exploration and mining.

6. Estimate of costs.

6. (a)

| | HOLES | DEPTH | TOTAL FEET |
|---|---|---|---|
| First Stage | 25 | 300 | 7,500 |
| Second Stage 1/ | 30 | 300 | 9,000 |
| Third Stage 2/ | 8 | 300 | 2,400 |
| Total | 63 | | 18,900 |

1/ Second stage drilling is to off-set mineralized holes to delineate one ore body.

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

2/ Core drilling is to obtain a factor between radiometric probe results and chemical assays of core.

| | HOLES | DEPTH | TOTAL FEET | COSTS/FT. | TOTAL DIRECT COSTS |
|---|---|---|---|---|---|
| Drilling First Stage | 25 | 300 | 7,500 | $ 1.00 | 7,500 |
| Drilling Second Stage | 30 | 300 | 9,000 | $ 1.00 | 9,000 |
| Drilling Third Stage | 8 (plug) | 300 | 2,400 | $ 1.00 | 2,400 |
| | 8 (core) | 30 | 240 | $10.00 | 2,400 |
| Total | 63 | | 19,140 | | $21,300 |

6. (b) Personal Services

Labor

1 Caterpillar Operator-- 2 months @ $442.00 per month 884.00

Supervision

1 Mining Engineer--4 months @ $750.00 per month 3,000.00
1 Geologist-- 4 months @ $600.00 per month 2,400.00
Total $6,284.00

Employees listed above are available.

6. (c) Operating Materials and Supplies

Gas, oil and supplies-- 2 pickups @ $120.00 480.00

Caterpillar, diesel fuel -- 2000 gallons @ $0.17 340.00

Oil and lubrication @ $30.00 per month 120.00
Total $940.00

6. (d) Operating Equipment

1 3/4 ton International Pickup (owned) use allowance $40.00 per month 160.00

1 ½ ton Willys Pickup (owned) use allowance $40.00 per month 160.00

1 Caterpillar D-8 bulldozer (owned) use allowance $7.00 per hour for 208 hours per month--2 months 2,912.00
Total $3,232.00

Operating equipment is to be furnished by the applicant.

Fair market value of the following equipment is as listed below:

| | | |
|---|---|---|
| 1 | 3/4 ton International Pickup | 1,500.00 |
| 1 | ½ ton Willys Pickup | 1,200.00 |
| 1 | Caterpillar D-8 bulldozer | 14,000.00 |

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

6. (e) Initial Rehabilitation and Repairs

None

6. (f) New Buildings, Fixtures and Installations

None

6. (g) Miscellaneous

| | | |
|---|---|---|
| Analytical work--120 samples | @ $3.50 | 420.00 |
| Accounting | $75.00 per month | 300.00 |
| Compensation, liability (14% of labor costs) | | 880.00 |
| Total | | $1,600.00 |

7. (a) Yes

7. (b) Total cost of entire project is $33,356.00. We propose to pay $13,446 cash and the balance of $3,232.00 in use allowance on the equipment listed under 6. (d). This would equal our 50% share of $33,356.00, which is $16,678.00

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

STANDEN-TAYLOR LEASE
DePUE LEASE
METAL OXIDE LEASE

EXHIBIT "A"

"COPY OF LEASE"

GIANT CYCLE CORP.
P.O. BOX 86
[illegible], COLO.

(C O P Y)

ASSIGNMENT AND ACCEPTANCE

For value received, EDGEMONT MINING & URANIUM CORP., a Delaware Corporation, qualified to do business in the State of South Dakota, as successor in interest to A. LUDWIG and E. J. BROCKMAN, as "Lessees", under that certain lease agreement dated the 27th of September 1952 by and between CHAS. A. STANDEN, GLEN D. STANDEN, NETTIE L. TAYLOR and NORAH E. TAYLOR, as "Lessors", relating to unpatented lode mining claims situated in the N1/2 of Section 35, T7s, R2E, Black Hills Meridian, Fall River County, South Dakota known as Jackson No. 1 - No. 4, inclusive; Taylor No. 1 - No. 4, inclusive; Betty J. No. 1 - No. 4, inclusive; and Nettie T. No. 1 - No. 4, inclusive, which lease agreement is recorded in Book 31 Misc., Page 495, in the County Records of Fall River County, South Dakota, hereby assigns all of its right, title and interest in and to the above described lease unto GIANT RESOURCES, INC., a Nevada Corporation qualified to do business in the state of South Dakota, its successors and assigns from this day forever, and in consideration of the foregoing assignment, the said GIANT RESOURCES, INC. hereby assumes and agrees to perform all the covenants and agreements on the part of lessees contained in said lease agreement.

IN WITNESS WHEREOF, the parties have hereunto caused this instrument to be executed by their duly authorized officers on this 13th day of March, 1957.

EDGEMONT MINING & URANIUM CORP.

By_____
L. E. Cox, President

GIANT RESOURCES, INC.

By_____
Donald W. Kanaly, President

GIANT CYCLE CORP.
P.O. BOX 86
GLENWOOD SPRINGS, COLO.

State of Colo. )
) ss
County of Mesa )

Before me the undersigned Notary Public within and for said County and State personally appeared L. E. Cox, who acknowledged himself to be the President of Edgemont Mining & Uranium Corp., a Corporation, and that he, as such president, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as President.

In witness whereof I have hereunto set my hand and official seal this 13th day of March, 1957.

My Commission Expires: Oct. 6, 1958

Dorthea E. Jensen
Notary Public

State of Colo. )
) ss
County of Mesa )

Before me the undersigned Notary Public within and for said County and State personally appeared Donald W. Kanaly, who acknowledged himself to be the President of Giant Resources, Inc., a Corporation, and that he, as such president, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as President.

In witness whereof I have hereunto set my hand and official seal this 13th day of March, 1957.

My Commission Expires: Oct. 6, 1958

Dorthea E. Jensen
Notary Public

GIANT CYCLE CORP.
P.O. BOX 86
CO[illegible] SPRINGS, COLO.

(C O P Y)

ASSIGNMENT

RECITALS

GIANT RESOURCES, INC., a Nevada Corporation, qualified to do business in the State of South Dakota, has heretofore, by assignment, become the lessee of certain mining properties and has heretofore conveyed unto THE GOLDEN CYCLE CORPORATION, a one-half ( 1/2 ) undivided interest in and to GIANT RESOURCES, INC.'s interest in and to said mining properties. It is now the intention of GIANT RESOURCES, INC., and THE GOLDEN CYCLE CORPORATION, to assign all of their respective rights, titles and interest in and to the said mining properties unto GIANT CYCLE CORPORATION, a Delaware corporation, qualified to do business in the State of South Dakota.

NOW THEREFORE, in consideration of $1.00 and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by all of the parties to this assignment, GIANT RESOURCES, INC., a Nevada Corporation, and THE GOLDEN CYCLE CORPORATION, a West Virginia Corporation, hereinafter collectively referred to as "Assignors", do hereby assign unto GIANT CYCLE CORPORATION, a Delaware Corporation, qualified to do business in the State of South Dakota, all of Assignors right, title and interest in and to the following described leaseholds:

1. That certain lease dated May 16, 1953, by and between NETTIE L. TAYLOR, of Edgemont, South Dakota, as lessor, and E. J. BROCKMAN and A. LUDWIG, as lessees, leasing the S 1/2, Section 35, T7S, R2E, Black Hills Meridian, Fall River County, South Dakota, which lease agreement is recorded in the records of Fall River County, South Dakota, in Book 33 Misc., Pages 459 - 461, inclusive.

2. The certain lease agreement dated September 27, 1952 by and between CHAS. A. STANDEN, GLEN D. STANDEN, NETTIE L. TAYLOR and NORAH E. TAYLOR, as lessors, and A. LUDWIG and E. J. BROCKMAN, as lessees, leasing for mining purposes those certain unpatented lode mining claims situated in N 1/2 of Section 35, T7S, R2E, Black Hills Meridian, Fall River County, South Dakota, known as Jackson No. 1 -

Taylor No. 1 - No. 4, inclusive, Betty J. No. 1 - No. 4, inclusive No. 4, inclusive;/and Nettie T. No. 1 - No. 4, inclusive, which lease agreement is recorded in Book 31 Misc., Page 495, in the County Records of Fall River County, South Dakota.

3. That certain lease agreement dated September 14, 1954, by and between MINING RESEARCH CORPORATION, as lessor, and EDGEMONT MINING CO., INC., as Lessee, leasing those certain unpatented lode mining claims known as BARKER & HOWELL numbers 1, 4, 8, 16 and 17, all situated in the NE 1/4 of Section 21, T7S, R2E, Black Hills Meridian, Fall River County, South Dakota, and which lease agreement is recorded in the records of Fall River County, South Dakota in Book 40 Misc., Pages 695 - 698, inclusive.

4. That certain lease agreement dated August 11, 1952, by and between MILFORD A. DePUE, as lessor, and E. J. BROCKMAN, as lessee, leasing those certain unpatented lode mining claims known as Virginia C., Virginia C. #1 and Virginia C. #2, Viking #1, Button #1 and Button #2, and Dusty Long Legs, located in Sections 26 and 27, T7S, R2E, Black Hills Meridian, Fall River County, South Dakota, and which lease agreement is recorded in the records of Fall River County, South Dakota, in Book 31 Misc., Page 495.

5. That certain lease agreement dated June 15, 1955, by and between D. W. DUTOIT, as lessor, and EDGEMONT MINING & URANIUM CORP., as lessee, leasing those certain unpatented lode mining claims known as Don #1, and Don #2, located in Section 3, T8S, R3E, Black Hills Meridian, Fall River County, South Dakota, location certificates for which are recorded in Book 31, Page 293 in the records of Fall River County, South Dakota, and which lease is recorded in the records of Fall River County, South Dakota in Book 40 Misc., Pages 592 and 593.

6. That certain lease agreement dated June 25, 1956, by and between R. O. COE, and others, as lessors, and EDGEMONT MINING & URANIUM CORP., as lessees, leasing those unpatented lode mining claims known as C and R #1, Coe #1 - Coe #4, inclusive; Kar-Mel #1 and Kar-Mel #2; M. C. #3 - #6, inclusive, located in Fall River County, South Dakota, and which lease agreement is recorded in the records

of Fall River County, South Dakota in Book 40 Misc., Pages 698 - 701, inclusive, which is subject to a two and one-half ( 2 1/2 ) percent royalty interest on C and R #1, Coe #1 - Coe #4, inclusive and M. C. #3 thru M. C. #6, inclusive over and above the royalty obligation to lessors.

TO HAVE AND TO HOLD, unto the said GIANT CYCLE CORPORATION, its successors and assigns from this day forever.

It being expressly understood that neither of the Grantors warrant their interests in the above described properties.

In consideration of the above assignment, the said GIANT CYCLE CORPORATION, as to those leases which, as a condition of assignment, requires the assumption of the obligation by the Assignee, does hereby assume the obligation to faithfully perform all of the terms covenants contained in such of the above leasehold agreement as have such requirement.

It is expressly understood that although this assignment has been executed as of the 22nd day of July 1957, that the effect thereof is to be retroactive to the commencement of business on the first day of July, 1957, and that any ores mined or sold from the above assigned properties, or any proceeds therefrom, since the first day of July, 1957, are hereby also assigned unto the said GIANT CYCLE CORPORATION.

In Witness Whereof the parties hereto have caused this instrument to be executed by their duly authorized officers and their corporate seals hereunto affixed, all as of the 23rd day of July, 1957.

GIANT RESOURCES, INC.

(Seal)

By_____
T. R. Gillenwaters, President

Attest:

_____
William E. Foster, Asst. Secy.

GIANT CYCLE CORP.
P.O. BOX 86
COLORADO SPRINGS, COLO.

THE GOLDEN CYCLE CORPORATION

(Seal)

By_____
Merrill E. Shoup, President

Attest:

_____
H. Bates, Secretary

GIANT CYCLE CORPORATION

(Seal)

By_____
Merrill E. Shoup, President

_____
H. Bates, Secretary

GIANT CYCLE CORP.
P.O. BOX 86
GLENWOOD SPRINGS, COLO.

State of Colorado )
) ss
County of )

Before me the undersigned Notary Public within and for said County and State personally appeared T. R. Gillenwaters and William E. Foster, who acknowledged themselves to be the President and Assistant Secretary, respectively, of Giant Resources, Inc., a Corporation and that they, as such President and Assistant Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Assistant Secretary, respectively.

In Witness Whereof, I have hereunto set my hand and official seal this 29th day of July, 1957.

My Commission Expires: Oct. 6, 1958

Dorothea E. Jensen
Notary Public

State of Colorado )
) ss
County of El Paso )

Before me the undersigned Notary Public within and for said County and State personally appeared Merrill E. Shoup and H. Bates, who acknowledged themselves to be the President and Secretary, respectively, of The Golden Cycle Corporation, a Corporation, and that they, as such President and Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Secretary, respectively.

In Witness Whereof, I have hereunto set my hand and official seal this 31st day of July, 1957.

My Commission Expires: July 9, 1960

Nola F. Winters
Notary Public

State of Colorado )
) ss
County of El Paso )

Before me the undersigned Notary Public within and for said County and State personally appeared Merrill Shoup and H. Bates, who acknowledged themselves to be the President and Secretary, respectively, of Giant Cycle Corporation, a Corporation, and that they, as such President and Secretary,being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Secretary, respectively.

In Witness Whereof, I have hereunto set my hand and official seal this 31st day of July, 1957.

My Commission Expires: July 9, 1960

Nola F. Winters
Notary Public

ORP.

S.

The Lessees covenant that they will, [illegible] after the commencement of this lease, [illegible] operation of exploration, development, and [illegible] upon the premises above described. The Lessees covenant that they will save and hold the Lessors [illegible] less from any claims or damages arising out of [illegible] operation. The Lessees covenant that they will [illegible] each year, commencing September 27, 1952, [illegible] less than Five Hundred Dollars, ($500.00), in [illegible] ploration, development, or mining of property. They shall cause all necessary affidavits of [illegible] labor to be filed so as to preserve the Lessees [illegible] terest in such claims and they shall see that [illegible] stakes nomination the boundaries of the various [illegible] claims are kept erect and in such fashion that [illegible] ice is given of the existence of such claims. [illegible] Lessees may terminate this agreement and all [illegible] hereunder when in their opinion it is unnecessary [illegible] to proceed further with the purpose and requirements of this agreement. Upon the reaching of such [illegible] the Lessees shall give writt en notice to the [illegible] of his intention to terminate the Lease and [illegible] the accrued rentals required by this lease [illegible] additional sum of One Dollar, ($1.00), when [illegible] notice and payment is made, the lease shall [illegible] with terminated.

This lease may be assigned by the Lessees [illegible] consent of the Lessors; provided, only that [illegible] time of such assignment the Lessees shall [illegible] of the assignment and provide the Lessors [illegible] copy of such instrument, which shall require [illegible] assignee thereof to faithfully perform [illegible] ment herein contained.

There is presently organized, administered [illegible] of the United Stated of America for the [illegible] assistand in financing development, exploration [illegible] and mining of materials designated as "strategic" [illegible] and "critical". It is contemplated by the [illegible] that assistance may or will be sought from [illegible] agencies by the Lessees. If such assistance [illegible] sought, the Lessors hereunto grant [illegible]

This agreement shall [illegible] heirs, [illegible] assigns [illegible]

OF SOUTH DAKOTA
of Fall River

this the 27th day of September, before
undersigned officer, appeared Chas. A. S
B. Standen, Horace W. Taylor, L. Lad
Brockman, known to me or satisfactor
to be the persons whose names are
the within instrument and acknowledg
the same for the purpose therein

witness whereof I have hereunto set my
official seal.

[illegible] ASSIGNMENT OF LEASE

[illegible]er value received A. Ludwig and E. J. Brockman [illegible]

[illegible] assigns all their right, title and interest in and to that certain [illegible]

[illegible] the 27th day of September, 19 52, by and between Chas. [illegible] Glen D. Standen and Norah E. Mylor [illegible] E. Taber, and A. Ludwig and E.J. Brockman, wherein the [illegible] properties were leased for a period of 5 years

[illegible] of Section 35, Township 7 S, Range 2 E, and the foll[illegible] [illegible]de Mining Claims:

Jackson Nos 1, 2, 3, and 4.
[illegible] Taylor No. 1, No. 2, No. 3, and No. 4
Betty J. No. 1, No. 2, No. 3 and No. 4
Nettie L. No. 1, No. 2, No. 3 and No. 4

[illegible] property covered by this agreement is all located [illegible] Section 35, Township 7S, Range 2E, Black Hills [illegible]idian, Fall River County, S. Dakota.

[illegible]ment Mining Co., Inc., as assignee, its successors and [illegible]

[illegible]ed in consideration of this assignment, the said Mignonet [illegible] [illegible] hereby assumes and agrees to perform all the covenants [illegible] [illegible] said lease contained, by the lessee therein agreed to be [illegible]

[illegible]

[illegible]TNESS, our hands and seals this 24th day of November [illegible]

A. Ludwig
E J Brockman

[illegible]

Colorado Springs, Colorado

MINE UNIT: Edgemont

HAULAGE DISTANCE: 10 TO SMELTER

| % MOIST. | DRY WEIGHT (LBS.) | SETTLEMENT ASSAYS (%) | | | | CONTENTS (LBS.) | | |
|---|---|---|---|---|---|---|---|---|
| | | $U_3O_8$ | $V_2O_5$ | $CaCO_3$ | | $U_3O_8$ | $V_2O_5$ | |
| 1.06 | 116,678 | 0.14 | 0.22 | 1.29 | | 163.35 | 256.69 | |
| | | | | | | | | |
| DRY TONS | 58.339 | | | | | | | |

| ITEM | TONS | POUNDS | |
|---|---|---|---|
| | | 163.35 | |
| EXCESS OF 4 LB./TON | | | |
| EXCESS OF 10 LB./TON | | | |
| TOTAL $U_3O_8$ PAYMENT | | | |
| $CaCO_3$ IN EXCESS OF 6% | | | |
| TOTAL FOR ORE | | | |
| | | 256.69 | |
| | | 163.35 | |
| 10 MILES | 63.465 | | |
| TOTAL $V_2O_5$ AND ALLOWANCES | | | |
| TOTAL GROSS SETTLEMENT | | | |
| | | | |
| NET SETTLEMENT | | | |

DISTRIBUTION

| PAYEE | AMOUNT | CHK. NO. |
|---|---|---|
| | | |

NOTE

Colorado Springs, Colorado

HAULAGE DISTANCE 30 MILES

| % MOIST. | DRY WEIGHT (LBS.) | SETTLEMENT ASSAYS (%) | | | | CONTENTS (LBS.) | | |
|---|---|---|---|---|---|---|---|---|
| | | $U_3O_8$ | $V_2O_5$ | $CaCO_3$ | | $U_3O_8$ | $V_2O_5$ | |
| [illegible] | 91,222 | 0.22 | 0.50 | 0.50 | | 200.69 | 456.11 | |
| | | | | | | | | |
| DRY TONS | 45.611 | | | | | | | |

| ITEM | | TONS | POUNDS |
|---|---|---|---|
| [illegible] BONUS OF 4 LB./TON | | 45.611 | 200.69 |
| [illegible] BONUS OF 10 LB./TON | | | .40 |
| TOTAL $U_3O_8$ PAYMENT | | | |
| [illegible] $CaCO_3$ IN BONUS OF 0%) | 1-1 | | |
| | 1-1 | | |
| TOTAL FOR ORE | | | |
| | | | 456.11 |
| | | | 200.69 |
| 30 MILES | | [illegible] | |
| TOTAL $V_2O_5$ AND ALLOWANCES | | | |
| TOTAL GROSS SETTLEMENT | | | |
| [illegible] | 1-1 | | |
| NET SETTLEMENT | | | |

DISTRIBUTION

| PAYEE | AMOUNT | CHK. NO. |
|---|---|---|
| | [illegible] | |

COLO.

The parties to this agreement are Mildred A. [illegible] 1324 Yale, Vacaville, California, hereinafter referred to as "Lessor", and Giant Cycle Corporation, a [illegible] ware corporation qualified to do business in the State of South Dakota, hereinafter referred to as "Lessee".

The purpose of this instrument is to grant to the Lessee the right to mine, develop, and explore the properties hereinafter described for minerals that may be found thereon, and set forth the rights, duties, and obligations of each of the parties connected with such agreement.

| Claim | Recorded Book | Page | Recorded Book |
|---|---|---|---|
| Virginia C. | 31 Misc. | 313 | |
| Virginia C. #1 | 31 Misc. | 314 | |
| Virginia C. #2 | 31 Misc. | 315 | 31 Misc. |
| Sutton #1 | 31 Misc. | 316 | 31 Misc. |
| Sutton #2 | 31 Misc. | 315 | 31 Misc. |
| Viking #1 | 31 Misc. | 316 | |
| Rusty Long Lode | | | |

The property covered by this agreement is all located in Sections 26 and 27, Township 9 South, Range 2 East, Black Hills Meridian, Fall River County, South Dakota. [illegible]

The Lessors covenant that they are the owners of the [illegible] Lode Mining Claims upon the premises [illegible] that they have conformed in every detail and [illegible] requirement of the Statutes of the State of South Dakota, [illegible] the United States of America with reference to lode [illegible] locations. They further covenant that all of such claims are located upon public domain; that there are no [illegible] that there are no surface owners who have [illegible] damage claims by reason of injury to the surface [illegible] They covenant that they have rights-of-way in and to the property for all purposes connected with exploration, development, and mining. The Lessors covenant that they have no disability that would impair their right to enter into this agreement.

The Lessee for the consideration of this agreement, the sum of [illegible] Dollar [illegible]

RP.

S. COLO

GIANT CYCLE CORP.
P.O. BOX 86
COLORADO SPRINGS, COLO. (C O P Y)

ASSIGNMENT

In consideration of $1.00 and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, GIANT RESOURCES, INC., a Nevada Corporation, qualified to do business in the State of South Dakota, does hereby sell, assign, transfer and quit claim all of its right, title and interest in and to that certain lease agreement dated the 30th day of April, 1955, between Oxide Metals Corporation, as lessor, and Edgemont Mining & Uranium Corp., as lessee, leasing fourteen (14) unpatented lode mining claims knows as:

Goof Off #1, #2 and #2 1/2; inclusive;
South View #1 - #9, inclusive (South View #6 & #7 are also known as Valley View #6 and #7); and
Berit #1 and #2, inclusive,

the above claims being located in Sections 25 and 26, T7S, R2E, Black Hills Meridian, Fall River County, South Dakota,

unto Giant Cycle Corporation, a Delaware Corporation, qualified to do business in the State of South Dakota.

TO HAVE AND TO HOLD unto the said Giant Cycle Corporation, its successors and assigns from this day forever.

It being expressing understood that the above referred to lease required consent of lessor to any assignments, and this assignment is made expressly contingent upon such consent being granted by lessor, although such consent has been applied for by Giant Resources, Inc. It is further understood and agreed that Giant Resources, Inc. in no way warrants its title to the above referred to lease.

This assignment is in lieu of an assignment of an undivided one-half (1/2) interest unto The Golden Cycle Corporation, and from that corporation the further assignment of the said undivided one-half (1/2) interest unto Giant Cycle Corporation.

In consideration of the above assignment, Giant Cycle Corporation hereby assumes the obligations of the above referred to lease agreement.

IN WITNESS WHEREOF, the parties to this assignment have caused this instrument to be executed by their duly authorized officers and their appropriate seals hereunto affixed as of the 23rd day of July, 1957.

GIANT RESOURCES, INC.

(Seal) By_____
T. R. Gillenwaters, President

Attest:

_____
William E. Foster, Asst. Secy.

THE GOLDEN CYCLE CORPORATION

(Seal) By_____
Merrill E. Shoup, President

Attest:

_____
H. Bates, Secretary

GIANT CYCLE CORPORATION

(Seal) By_____
Merrill E. Shoup, President

Attest:

_____
H. Bates, Secretary

State of Colorado )
County of Mesa ) ss

Before me the undersigned Notary Public within and for said County and State personally appeared T. R. Gillenwaters and William E. Foster, who acknowledged themselves to be President and Assistant Secretary, respectively, of Giant Resources, Inc., a Corporation, and that they, as such President and Assistant Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Assistant Secretary, respectively.

GIANT CYCLE CORP.
P.O. BOX 86
COLORADO SPRINGS, COLO.

In Witness Whereof, I have hereunto set my hand and official seal this 29 day of July, 1957.

My Commission Expires: Oct. 8, 1958.

Dorthea E. Jensen
Notary Public

State of Colorado )
) ss
County of El Paso )

Before me the undersigned Notary Public, within and for said County and State, personally appeared Merrill E. Shoup and H. Bates, who acknowledged themselves to be the President and Secretary, respectively, of Golden Cycle Corporation, a Corporation, and that they, as such President and Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Secretary, respectively.

In Witness Whereof, I have hereunto set my hand and official seal this 31st day of July, 1957.

My Commission Expires:
July 9, 1960

Nola F. Winters
Notary Public

State of Colorado )
) ss
County of El Paso )

Before me the undersigned Notary Public, within and for said County and State, personally appeared Merrill E. Shoup and H. Bates, who acknowledged themselves to be the President and Secretary, respectively, of Giant Cycle Corporation, a Corporation, and that they, as such President and Secretary, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by themselves as President and Secretary, respectively.

In Witness Whereof, I have hereunto set my hand and official seal this 31st day of July, 1957.

My Commission Expires:

July 9, 1960

Nola F. Winters
Notary Public

# U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

| NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | | NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM | |
|---|---|---|---|
| Wilmot Bradley<br>Room 4241-S | RUN<br>STOP | Cabinet<br>2219 | RUN<br>STOP |
| Mr. Monroe | RUN<br>STOP | Budget Officer<br>Room [illegible] JCA | RUN<br>STOP |
| [illegible] | RUN<br>STOP | [illegible] | RUN<br>STOP |
| [illegible] | RUN<br>STOP | [illegible] | RUN<br>STOP |
| [illegible] | RUN<br>STOP | [redacted] | RUN<br>STOP |
| A. P. Butler<br>Room 10-N. G.T. | RUN<br>STOP | Distribution<br>Silver Spring, Md. | RUN<br>STOP |
| [illegible] | RUN<br>STOP | Mr. Muckland<br>Room<br>6020 Interior | RUN<br>STOP |
| Mrs. Parker — | RUN<br>STOP | | RUN<br>STOP |
| [illegible] | RUN<br>STOP | | RUN<br>STOP |
| [illegible] Reed | RUN<br>STOP | | RUN<br>STOP |

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16—28942-3

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UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE BAND REGISTRATION
Washington 25, D. C.

January 31, 1959

Memorandum for Docket

Subject: Withdrawal of Pending DMA Applications

Effective this date, this pending DMA application is considered withdrawn for statistical purposes.

If, at a later date, the applicant requests reconsideration under the OMB program, all pertinent material in the DMA file should be transferred to the new OMB docket.

Frank B. Johnson
Acting Director

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 24 1959

| DATE | INITIALS | |
|---|---|---|
| 2/24 | C | 220 |
| 2/25 | ~~[illegible]~~ | 400 |

GIANT CYCLE CORPORATION
POST OFFICE BOX 86
COLORADO SPRINGS, COLORADO

February 18, 1959

Mr. Frank E. Johnson, Acting Director
U. S. Department of the Interior
Office of Minerals Exploration
Washington 25, D. C.

RE: Docket No. DMEA-5038 (Uranium)
Standen-Taylor, DePue, and
Oxide Metals Leases
Fall River County, South Dakota

Dear Mr. Johnson:

Your letter of January 30th, addressed to Mr. Merrill E. Shoup, was sent to this office for answering. Since you stated in the second paragraph of this letter that:

> "Careful study of all our information concerning your property reveals that had the processing of your DMEA application been completed, we would have been unable to approve an exploration project,"

we do not believe we would be justified in making an application for a loan on this particular ground through the OME program.

You may consider this as your authority to cancel this application and close out Docket No. DMEA-5038 (Uranium), Standen-Taylor, DePue, and Oxide Metals Leases, Fall River County, South Dakota.

Thanking you for your cooperation, I am

Yours very truly,

Max W. Bowen

Max W. Bowen
Executive Vice-President

MWB:hr

MME Form 7
(10-58)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 1/16/59 | Murphy Knouse | 700 |
| 1/22 | Selfridge | 120 |
| | | ~~110~~ |
| | | ~~100~~ |
| 1/30 | C | 220 |
| | | 700 |
| | | |
| | | |
| | | |

JAN 30 1959

Mr. Merrill E. Shoup, President
Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Re: Docket No. DMEA-5038 (Uranium)
Standen-Taylor, DePue, and
Oxide Metals Leases
Fall River County, South Dakota

Dear Mr. Shoup:

In accordance with our letter of September 19, 1958, we are enclosing a copy of the regulations for obtaining Federal assistance in financing mineral exploration under which the new Office of Minerals Exploration will operate and five copies of the OME application, MME Form 40.

Careful study of all our information concerning your property reveals that had the processing of your DMEA application been completed, we would have been unable to approve an exploration project.

If you apply for exploration assistance under the new OME program, it will be necessary for you to furnish any additional information that would indicate the possibility of making a significant discovery on your property. Otherwise, your application will be denied under the OME program.

If you do not wish to participate in the OME program, we shall appreciate being so informed.

Sincerely yours,

Frank E. Johnson

Acting Director

Enclosures

FLKnouse/GCSelfridge/gla
1-16-59
cc to: Director's Reading File
THKiilsgaard, Rm. 5224
FMMurphy
OME Field Team, Region III (2)

43683

Docket

Murphy

October 13, 1958

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-5038

Commodity: Uranium

Amount of application: $33,356.00

Applicant: Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Property Rights: Sub-lessor of lands covered by Standen-Taylor, DePue, and Oxide Metals leases, in secs. 25, 26, 27, and 35, T. 7 S., R. 2 E., Fall River County, South Dakota

Date of application: May 24, 1958
Referred to Region III: June 9, 1958
Field examination made: June 26, 1958, accompanied by company's resident manager and geologist.
Field Team report received: September 29, 1958

Work proposed: Drilling 55 plug-bit holes in two stages, and 8 holes partly cored in a third stage.

Estimated Costs:

Drilling: (Direct Costs)

| | |
|---|---|
| None-core, 18,900 feet @ $1.00/ft. | $18,900.00 |
| Core, 240 feet @ $10.00/ft. | 2,400.00 |
| Labor and supervision | 6,284.00 |
| Operating Materials and supplies | 940.00 |
| Operating equipment | 3,232.00 |
| Miscellaneous | 1,600.00 |
| Total | $33,356.00 |

Excerpts from Report of Examination, by W. N. Sharp, USGS, and E. O. Binyon, USBM.

The property is situated at the southern end of the Black Hills domal uplift, on the western flank where a thick section of sedimentary rock units, ranging in age from Cambrian to Tertiary, dip southwestward away from the crystalline core.

The potential uranium-bearing sandstones in the region have been numbered $S_1$ to $S_5$ by the USGS, and are in the Inyan Kara group of the Cretaceous age. $S_5$, the topmost unit, is in the Fall River formation, and in descending order, $S_4$ to $S_1$ are in the Lakota formation.

The subject property lies about 1 to 1½ miles west of Craven Canyon. This position places it ~~them~~ west of the Inyan Kara rocks that have features favorable for ore deposits. The property is west of the $S_1$ sandstone channel which is the principal target of present day drilling in the region. (See DMEA-5039, contract recommended by Field Team.)

The results of AEC drilling on or near the subject property indicate that the chances of large uranium deposits being found in the Lakota interval under the area are small. Although uranium ore was found in the $S_4$ sandstone channel near the present Runge Mine to the south, this sandstone was barren in all the holes drilled on the subject property. The $S_4$ sandstone appeared to be tightly cemented throughout and unfavorable for ore deposition.

The $S_1$ sandstone is gradually thinning westward from Craven Canyon, but the abrupt changes in thickness of this unit that in other places are good drilling targets lie eastward of the property. (See 5039 - Field Team Report Fig. 1.)

The $S_5$ sandstone unit on the South View-Valley View claims were drilled in 1953 under DMEA contract Idm-E580, with Oxide Metals Corp. Production from the property amounted to 67.2 tons of ore averaging 0.34% $U_3O_8$. Also in the subject area, 1307.1 tons averaging 0.235% $U_3O_8$ were shipped from workings in the $S_5$ unit on the Standen-Taylor lease.

Since the $S_4$ and $S_1$ sandstone units, which contain the largest ore bodies, are unfavorable in the subject area, the field examiners and Field Team recommend that application DMEA-5038 should be denied.

Commodity Members' Comments:

In memoranda, dated October 7 and 9, 1958, W. P. Williams, USGS, and James Paone, USBM, respectively, concur in the field examiners' and Field Team's recommendations to deny the subject application.

Division of Rare and Miscellaneous Metals, F. M. Murphy, October 13, 1958

The examiners state that the $S_4$ sandstone channel underlying the property has been drilled and proven to be unfavorable; also, that the subject property lies too far out on the west edge of the $S_1$ channel, that traverses the area, to be favorable. The border line of abrupt thinning of this channel, which might form a trap for uranium-bearing ground water from the northeast, lies a mile or more east of the subject property. In view of these findings, and because only small deposits of uranium ore have been found in the $S_5$ sandstone unit in the area, I agree with the examiners that the proposed work would not succeed in finding significant deposits of uranium ore.

Conclusions and Recommendations:

This Division agrees with the conclusions of the field examiners regarding the uranium potential of the subject property and, therefore, concurs in their recommendation that application DMEA-5038 be denied.

F. L. Knouse
Acting Chief

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

Date: October 9, 1958
DMEA Docket No. 5038
DMEA Contract No.
Commodity: Uranium
Name of Applicant: Giant Cycle Corp.
Location of property: Fall River County, S. Dak.
Estimated cost of project: $33,356.00

Memorandum

To: Frederick L. Knouse, Acting Director, OME
Uranium Commodity Committee

From: James Paone, Bureau of Mines Member
Uranium Commodity Committee

Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 9/26/58 2. Date received by reviewer: 10/9/58

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked 'yes' above:

8. Factors meeting special consideration:

a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs
h. ☐

9. Action advised:

a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Denial ☒
d. Agree with Field Team ☒
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another consultation ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC Office

10. Remarks: (Use back of page if necessary).

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

IN REPLY REFER TO:

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October 7, 1958

Memorandum

To: F. L. Knouse, Office of Minerals Exploration

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

Subject: Review of field examination report, DMEA 5038, (uranium), Giant Cycle Corporation, Standen-Taylor et al leases, Fall River County, South Dakota

The examining team concludes that the Giant Cycle Corporation properties, the DePue, Standen-Taylor, and Metal Oxide leases, do not warrant deep drilling exploration through the Lakota formation. The properties lie west of a sandstone channel that is the principal target of present day drilling in the region.

Results of test drilling by the AEC in the region show that large uranium deposits are not likely to be found on the applicant's property. Drilling by the U. S. Geological Survey on the property was barren in all holes. The sandstone cut by drilling was tightly cemented and showed no indications of being a good site for uranium deposits.

I agree with the recommendations of the examining team for denial of the application on the grounds that the work would probably not result in a significant discovery.

W. P. Williams

W. P. Williams

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

224 New Customhouse
Denver 2, Colorado
September 26, 1958

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Memorandum

To: Secretary to the Operating Committee, OME

From: OME Field Team, Region III

Subject: Docket No. DMEA-5038 (Uranium) Giant Cycle Corporation (Standen-Taylor, DePue, and Metals Oxide Leases) Fall River County, South Dakota - Joint Report of Examination

Enclosed are the original and two copies of a joint report of examination on the subject project by E. O. Binyon, USBM, and W. N. Sharp, USGS.

The Field Examiners conclude that the probability for making a significant discovery is not sufficiently promising to justify Government participation. Accordingly, they recommend that the applicant's work proposal be denied; in which the Field Team concurs.

E. N. Harshman
E. N. Harshman

J. W. Townsend
J. W. Townsend

Enclosures

Reviewed by
OME OPERATING COMMITTEE
10-3-58
(date)

REPORT OF EXAM

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UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

OME
DEPARTMENT
SEP 25 1958
REGION
DENVER, COLORADO

DMEA 5038

Giant Cycle Corporation

Standen-Taylor, DePue, and Metal Oxide Leases

Fall River County, South Dakota

Uranium

Joint Engineering and Geologic Report

by

W. N. Sharp
Geological Survey

E. O. Binyon
Bureau of Mines

Reviewed by
OME OPERATING COMMITTEE
10-3-58
(date)

September 24, 1958

CONTENTS


| | Page |
|---|---|
| Introduction and summary | 1 |
| Acknowledgments | 2 |
| Location, topography, and physical features | 2 |
| Ownership | 4 |
| History and production | 6 |
| Present status | 6 |
| Geology | 7 |
| Standen-Taylor, DePue, and Metal Oxide properties | 9 |
| Ore reserves | 10 |
| Applicant's program | 10 |
| Recommended program | 12 |
| Conclusions and recommendations | 12 |


ILLUSTRATIONS


| Figure | Follows page |
|---|---|
| 1. Location map, Giant Cycle Corporation (Standen-Taylor, DePue, and Oxide Metals leases), Fall River County, South Dakota - DMEA 5038 | 2 |
| 2. Geologic map of part of the Edgemont NE quadrangle, Fall River County, South Dakota, showing Giant Cycle Corporation property and some existing drill holes, DMEA 5038 | 12 |

DMEA 5038

# GIANT CYCLE CORPORATION
# STANDEN-TAYLOR, DePUE, AND METAL OXIDE LEASES
# FALL RIVER COUNTY, SOUTH DAKOTA

## INTRODUCTION AND SUMMARY

The Giant Cycle Corporation, a Colorado corporation, P. O. Box 86, Colorado Springs, Colorado, applied to the Defense Minerals Exploration Administration for aid in exploration of the Standen-Taylor, DePue, and Metal Oxide Leases, in sections 25, 26, 27, and 35, T. 7 S., R. 2 E., Fall River County, South Dakota. The property comprises a group of 37 mostly contiguous, unpatented claims or about 740 acres.

The applicant proposed an exploration drilling program that consisted of three stages. The first and second stages comprise 55 plug bit holes; the third stage is of 8 holes partly cored. The total footage for the program is 19,140 feet, and the estimated cost is $33,356.00.

The program is designed to explore the Lakota formation, and especially the lower sandstone interval of the Lakota. A number of AEC drill holes have been put down through Lakota in the vicinity of the claims, but the company has not drilled through Lakota on the property.

At the present time no mining is in progress on the property. There is some past production but it was confined to the exposed Fall River formation. Southeast of the property the Runge mine is producing from an upper Lakota sandstone, and several large deposits are reported to have been found in lower Lakota.

A field examination of the property was made on June 26, 1958, by W. N. Sharp, geologist, U. S. Geological Survey, and E. O. Binyon, mining engineer, U. S. Bureau of Mines. J. J. Seerley, resident manager, and L. E. Lewis, geologist for the company, accompanied the examining team on the examination.

As a result of the field examination and discussions of the geologic features with Survey geologists familiar with the detailed geology of the region, the examining team concludes that the property does not warrant exploratory drilling at this time.

## ACKNOWLEDGMENTS

Thanks are due Garland B. Gott of the U. S. Geological Survey for information on the geology of the area and J. J. Seerley, resident manager, and L. E. Lewis, geologist for the company, who conducted the examining team over the property.

## LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The claims are in secs. 25, 26, 27, and 35, T. 7 S., R. 2 E., BHM, Fall River County, South Dakota. The approximate center of the property is 10.5 miles by road slightly west of north of Edgemont, South Dakota, the nearest sizable community. To reach the property from Edgemont go north on the White Draw School County road for 8.8 miles to a junction with an unimproved dirt road to the left; take the dirt road and go 1.7 miles to the center of the property. Edgemont, a rail point on the C. B.

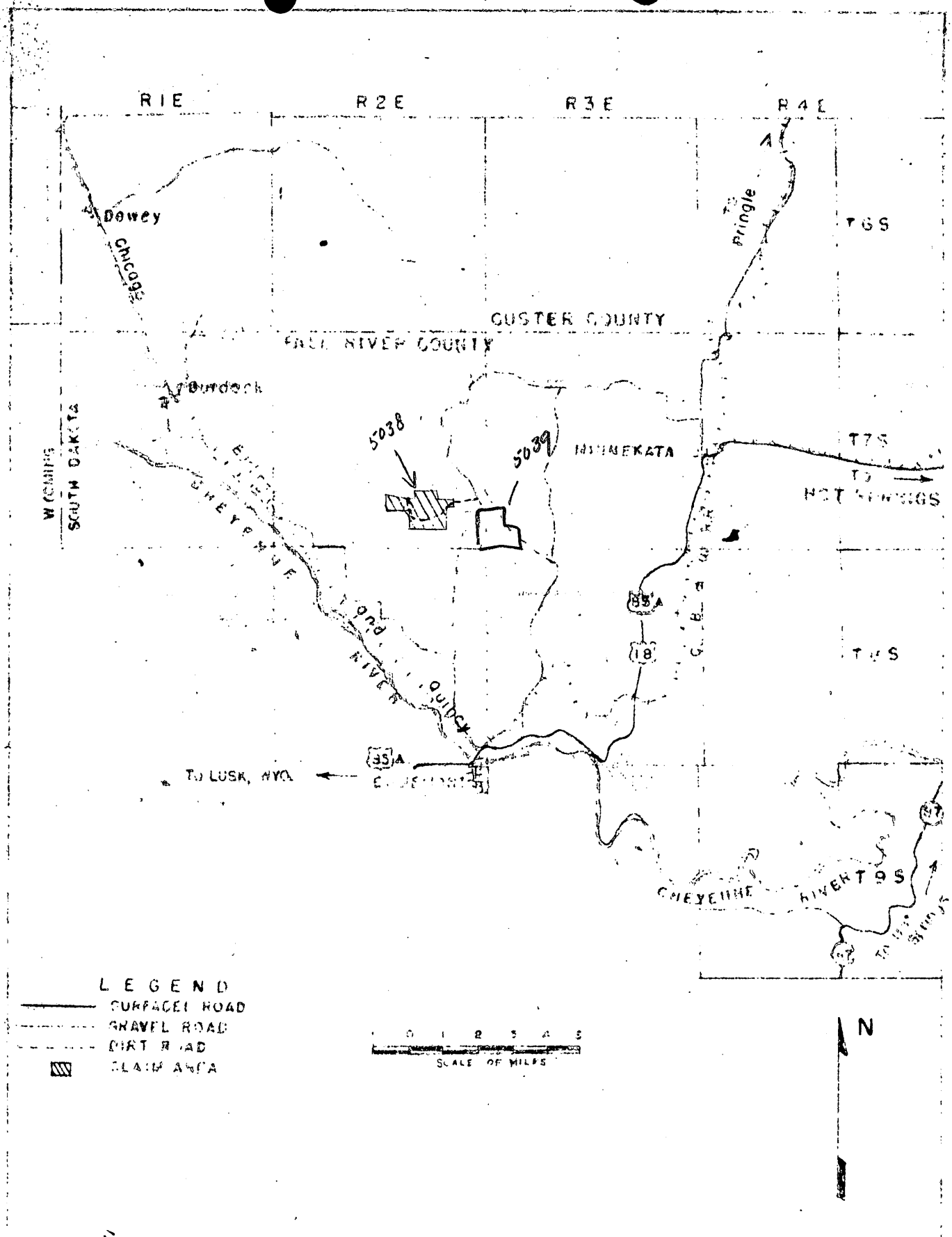


FIGURE 1 - LOCATION MAP, GIANT CYCLE CORPORATION, (STANDEN-TAYLOR, DEPUE AND OXIDE METALS LEASES) FALL RIVER COUNTY, SOUTH DAKOTA - DMEA 5038

and Q. Railroad, is a supply and small equipment center, and a source of labor for the Edgemont Mining District. The town is also the site of the only uranium mill in the area.

The claims overlie high rolling terrane, incised at places by shallow to moderately deep draws. On the westernmost part of the property, or the Virginia C claims, the altitudes range from 3,850 to 3,950 feet; and on the eastern part, the South View and Goof Off claims, the range is from 3,900 to 4,050 feet. In section 35 the Standen-Taylor lease area slopes gently to the southwest, the southwest corner having an altitude of 3,830 feet and the northwest corner 4,030 feet. There are no outstanding topographic features on the property other than the draws that cut south and southwest through the claims.

A small amount of timber, mainly ponderosa pine, is found on the property mainly along the draws. Most of the timber is small and knotty and appears unfit for mine use. The flats and mesas are well covered with grasses and some cacti. A small stock pond is on the Standen-Taylor lease but this pond could not supply water steadily for drilling or small mine use; however, water could be hauled from other nearby ponds or wells. Electric power is not available. Gasoline or diesel driven equipment is used for drilling and mining.

The climate is typical of the north-central plains states. Summers are moderate; however, the winters are sometimes severe, and temperatures drop to well below 0 degrees for short periods. The low temperature with snow and wind can make outside operations difficult or impractical for such short periods.

## OWNERSHIP

The applicant holds the subject property under assignments of lease agreements from Giant Resources, Inc., a Nevada Corporation, and Golden Cycle Corp., a Colorado corporation; and from Giant Resources, Inc., which held the property under an assignment of the leases from Edgemont Mining and Uranium Co., Inc., and A. Ludwig and E. J. Brackmon of Edgemont, South Dakota. The owners of the claims and other land are as listed below:

| Land | Owner |
|---|---|
| Standen-Taylor lease | Jack Standen and Mrs. Nettie L. Taylor<br>Edgemont, South Dakota |
| Virginia C claims or DePue Lease | Milford DePue<br>3024 Yale Ave., Venice, Calif. |
| Berit, South View, Valley View, and Goof Off claims or Metals Oxide lease | Mining Research Corp.<br>Wheatridge, Colo.<br>Original owner - leased to Edgemont Mining Co., Inc. |

Several discrepancies are noted in descriptions of the Metal Oxide lease. The map shows a Goof Off claim No. 275 but this claim is not listed in the Assignment. The map shows a South View claim No. 6 but this claim is recorded as Valley View claim No. 6. The list of claims given by the applicant shows a South View No. 6 claim and a Valley View claim No. 7. The claims are recorded as Valley View claim No. 6 and South View No. 7.

The claims as recorded at the County Recorder's office at Hot Springs, S. Dak., are as follows:

| Claim | Book | Page | Date of discovery | Date recorded |
|---|---|---|---|---|
| Jackson Nos. 1, 2, 3 & 4 | 31 Misc. | 517-518 | 8/24/52 | 10/23/52 |
| Taylor Nos. 1, 2, 3 & 4 | " | 515-516 | " | " |
| Betty J. Nos. 1, 2, 3 & 4 | " | 513-514 | " | " |
| Nettie L. Nos. 1, 2, 3, 4 | " | 511-512 | " | " |
| Virginia C Amended location | " | 314 | ? | 6/27/52 |
| Virginia C | " | 373 | - | 10/11/55 |
| Virginia C No. 1 | " | 314 | 4/29/52 | 6/27/52 |
| Virginia C No. 2 | " | 315 | " | " |
| Button No. 1 | " | 316 | " | " |
| Button No. 2 | " | 315 | " | " |
| Viking No. 1 | " | 316 | " | " |
| Goof Off 1 & 2 | " | 356-357 | 8/4/52 | 10/1/52 |
| " " 2.5 | " | 357 | 9/1/52 | 10/1/52 |
| " " 2.75 | " | 57 | 2/22/53 | 4/17/53 |
| South View 1, 2, 3, 4 | " | 285-286 | 4/25/52 | 6/5/52 |
| South View 5 | " | 287 | 4/25/52 | 6/5/52 |
| Valley View 6 | " | 287 | | 8/12/52 |
| South View 7 | " | 335 | 7/18/52 | 8/12/52 |
| South View 8 | " | | 8/6/52 | " |
| South View 9 | " | 336 | " | " |
| Berit No. 1 and 2 | " | 174-175 | 5/18/52 | 7/12/52 |

The claims include an area of about 669 acres.

## HISTORY AND PRODUCTION

The Virginia C group and the Goof Off and South View-Valley View claims were some of the first claims located and worked in the Edgemont mining district. The Virginia C group of claims, owned by Edgemont Mining Co., was the largest producer in the district during the first year or two of mining. All mines now have ceased to operate. The property as a whole produced about 6,300 tons of ore that averaged 0.245 percent $U_3O_8$. The South View-Valley View claims were exploratory drilled through Fall River formation only in 1953 under a DMEA contract to Oxide Metals Corp., a subsidiary of Mining Research Corp. (DMEA contract Idm-E 580). The records show that production from the property amounted to 67.2 tons of ore that averaged 0.34 percent $U_3O_8$; however, it is reported that about 120 tons were shipped. Production of ore from the Standen-Taylor lease (N½, sec. 35) was 1,307.1 tons with a grade of 0.235 percent $U_3O_8$. All production was from the Fall River formation.

## PRESENT STATUS

The property is not being worked at present.

## GEOLOGY

The Giant Cycle Corporation Bear Lodge property is situated at the southern end of the Black Hills domal uplift, on the western flank where a thick section of sedimentary rock units ranging in age from Cambrian to Tertiary dip southwestward away from the crystalline core.

The principal consolidated rocks exposed on the property consist of a series of lower Cretaceous sedimentary formations that are known collectively as the Inyan Kara group. This group which forms some of the pronounced outer peripheral hogbacks to the Central Black Hills, contains the majority of the known uranium ore deposits of both the southern and northern Black Hills. The Inyan Kara group overlies the Jurassic Morrison formation, and in the area of the property forms a belt of outcrop about 5 miles wide, covered to the west by overlying Skull Creek shale. Locally thin deposits of Tertiary White River formation and Quaternary gravels and alluvium cover the Cretaceous rocks.

The Inyan Kara group of the lower Cretaceous stratigraphic interval is now divided into two formations--the Fall River and the Lakota. The Fall River or the uppermost formation of the group is about 150 feet thick and consists predominantly of fine-grained sandstone interbedded carbonaceous sandstone and mudstone, and thin mudstone beds. The Lakota formation, which now includes the Fuson mudstone formation and the thin discontinuous Minnewaste limestone of Darton, is 200 to 300 feet thick and is a series of thick fluvial sandstones and mudstones. Interfingering

of the different rock types within the formation is common, and the lithologic sequence changes from place to place throughout the area.

Mapping by the USGS in the Southern Black Hills shows that several channel sandstone units of both the Lakota and Fall River formations are extensive. These sandstone units have been numbered from $S_1$ to $S_5$. Sandstones $S_1$ through $S_4$ are in Lakota; $S_5$ is in lower Fall River. Of these extensive sand units only $S_1$, $S_3$ (lower Lakota), $S_4$ (upper Lakota), and $S_5$ are present in the vicinity of the property (Edgemont NE quadrangle). The $S_1$ sandstone in the Edgemont NE quadrangle fills a broad northwest-trending channel and ranges from 0-250 feet thick along the axis of the channel. However, thicknesses of 200-250 feet are consistent. The unit is generally not cemented but calcite and silica does cement sand grains locally.

The $S_3$ sandstone is a white massive fine-grained sandstone that can be recognized generally because of its color and lack of bedding. It varies from 75 feet to 300 feet in thickness within the quadrangle, but is probably absent generally west of Craven Canyon which runs northwestward across the center of the quadrangle east of the property. Of the three Lakota sands, the uppermost $S_4$ is most notable because it contains the Gould and Runge mines. $S_4$ sandstone fills in irregularities on a pre-Fall River surface and reaches a maximum thickness of 150 feet along a narrow northwest-trending channel. $S_4$ is a crossbedded, fine- to coarse-grained unit, light yellow to gray, and calcareous at places.

Sandstone $S_5$ of lower Fall River is a micaceous widespread sandstone that is as much as 100 feet thick. This sandstone at places contains abundant silica cement.

Structure in the sedimentary rocks of the Edgemont NE quadrangle is simple. The beds dip generally 2-4 degrees to the southwest, away from the Black Hills domal uplift. Dips on a west-dipping monocline in the southeast part of the quadrangle has a maximum of 20 degrees. A small pre-Inyan Kara dome is present in the southwest part of the quadrangle and several faults of minor displacement are noticeable.

## Standen-Taylor, DePue, and Metal Oxide properties

The Giant Cycle Corporation properties of this application lie about 1 to $1\frac{1}{2}$ miles west of Craven Canyon. This position places them west of the Inyan Kara rocks that have features favorable for ore deposits. The properties are west of the $S_1$ sandstone channel which is the principal target of present day drilling in the region.

The AEC, during its preliminary exploration drilling programs, drilled a number of randomly spaced holes that cut the Lakota stratigraphic interval across the Edgemont NE quadrangle. A number of these holes are on and near by the Giant Cycle property (fig. 2).

The results of this drilling indicate that the chances of large uranium deposits being found in the Lakota interval under the area are poor.

The narrow channel of $S_4$ sandstone in the upper Lakota passes directly below the property. In 1955 the USGS did wide spaced core drilling along

about 5 miles of the extent of the $S_4$ sandstone channel, including several holes on the present Giant Cycle property (fig. 2). The result of this $S_4$-drilling was the initial discovery of uranium in the poorly cemented $S_4$ sandstone near the present Runge mine, south of the subject property. The $S_4$ sandstone that underlies the Giant Cycle property was barren in all holes. The sandstone appeared to be tightly cemented throughout and showed no indications of being a good site for uranium deposits.

## ORE RESERVES

An estimate of reserves on the subject property that would be meaningful cannot be made. The sites that have been mined were all small producers and the ore-grade was low. A very small tonnage of low-grade ore reserves may remain on the Virginia C and the Standen-Taylor lease.

## APPLICANT'S PROGRAM

The program proposed by the applicant consists of three stages of drilling; Stage I to be the primary or grid drilling; Stage II, offset drilling around mineralized Stage I holes; and Stage III, core drilling for establishing the ratio between radiometric probe and chemical assay results. Some bulldozer work for the preparation of drill sites and access roads to the sites is proposed.

The applicant's estimated cost of the program is as follows:

| | Holes | Depth | Total feet |
|---|---|---|---|
| 6 (a) Stage I Rotary Noncore | 25 | 300 | 7,500 |
| Stage II " " | 30 | 300 | 9,000 |
| Stage III " " and core | 8 | 300 | 2,400 |
| | 63 | | 18,900 |

| | Holes | Depth | Total feet | Cost/ft. | Direct costs Total |
|---|---|---|---|---|---|
| Stage I Rotary Noncore drilling | 25 | 300 | 7,500 | $1.00 | $ 7,500.00 |
| Stage II " " " | 30 | 300 | 9,000 | 1.00 | 9,000.00 |
| Stage III " " " | 8 | 300 | ~~2,400~~ | 1.00 | 2,400.00 |
| Core drilling | 8 | 30 | 240 | 10.00 | 2,400.00 |
| | | | | | 21,300.00 |

| | | |
|---|---|---|
| 6 (b) Personnel Services | | |
| Labor | | |
| 1 caterpillar operator 2 mos. @ $442/mo. | 884.00 | |
| Supervision | | |
| 1 mining engineer 4 mos. @ $750/mo. | 3,000.00 | |
| 1 geologist 4 mos. @ $600/mo. | 2,400.00 | 6,284.00 |
| 6 (c) Operating materials and supplies | | |
| Gas, oil and supplies 2 Pickups @ $120/mo. | 480.00 | |
| Caterpillar diesel fuel 2000 gals. @ $0.17 | 340.00 | |
| Oil and lubrication $30/mo. for 4 mos. | 120.00 | 940.00 |
| 6 (d) Operating Equipment | | |
| 1 3/4-ton pickup use allowance $40/mo. | 160.00 | |
| 1 ½-ton Willys pickup use allowance $40/mo. | 160.00 | |
| 1 caterpillar D-8 bulldozer use allowance $7/hr. for 208 hrs. per mo. for 2 mos. | 2,912.00 | 3,232.00 |

(Fair market value of equipment - 3/4 ton International Pickup $1,500.00, 1½-ton Willys Pickup $1,200.00, 1 D-8 Caterpillar $14,000.00)

| | | |
|---|---|---|
| 6 (e) Initial Rehabilitation and Repair | None | |
| New Buildings, Fixtures and Installations | None | |
| 6 (g) Miscellaneous | | |
| Analytical work 120 samples at $3.50 | 420.00 | |
| Accounting $75/mo. 4 mos. | 300.00 | |
| Compensation, liability 14% of labor costs | 880.00 | 1,600.00 |
| Total for entire project | | $33,356.00 |

## RECOMMENDED PROGRAM

Exploration of the property with Government assistance is not recommended.

## CONCLUSIONS AND RECOMMENDATIONS

The examining team concludes that the Giant Cycle Corporation properties, DePue, Standen-Taylor, and Metal Oxide leases, do not warrant deep drilling exploration through the Lakota. It would appear from available geologic and existing exploratory data that the properties are not located properly with respect to any geologic feature of the Inyan Kara group to constitute a target. The $S_1$ sandstone of the lower Lakota is gradually thinning westward from Craven Canyon to the property site, but the abrupt changes in thickness of this unit that in other places are good drilling targets lie eastward of the property. The $S_4$ sandstone of upper Lakota that in other places to the southeast contains large uranium deposits, has been drilled in the vicinity and on the property, and appears to have generally the wrong characteristics for an ore-bearing host rock.

The examining team recommends that the applicant's request for assistance in exploring by drilling the Lakota interval on the said property be denied.

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Mr. Merrill F. Shoup, President
Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Re: Docket No. DMEA-5038 (Uranium)
Fall River County, South Dakota
and
Docket No. DMEA-5039 (Uranium)
Fall River County, South Dakota

Dear Mr. Shoup:

As you have an application for exploration aid pending in our office, perhaps you may wish to study the proposed DMEA regulations and comment on them before October 17 as provided in the first paragraph of the enclosed notice reprinted from the Federal Register of September 17.

Some time after October 17 when the final regulations become effective, we will send you the new application form so you may furnish any additional information necessary to process your application for aid under the new program.

Sincerely yours,

[illegible]

[illegible] Director

Enclosure

ama
9/19/58

cc: Director's Reading File
Field Team, Region III (2)

8623

TELETYPE

Recd. Interior 8-18-58

8-15-58

CHAIRMAN OPERATING COMM. DMEA

REURTT AUGUST 15 REGARDING EXAMINATION REPORTS.

DMEA 5033, 5038, and 5039 will recommend denial.

DMEA 5035, 5036 and 5037 WILL RECOMMEND APPROVAL.

J. W. TOWNSEND

Copy for DMEA 5038
5039
5035
5036
5037

Mrs. Hu T.
Dockets - 5038 - 5039

COPY

Not enough data to make a denial. Hold these dockets for Field Examiner report.

Murphy

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 8/15/58 | Knouse (initials) | 700 |
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DEPT. OF THE INTERIOR

DMEA

14X4401(01) Revolving Fund, Defense Production Act, Interior (Transfer to Office of Secretary)

TELETYPE

J. W. TOWNSEND
ALTERNATE ACTING EXECUTIVE OFFICER
DMEA FIELD TEAM, REGION 3
RBA MEM CUSTOMHOUSE BUILDING
DENVER, COLORADO

YOUR JULY MONTHLY REPORT INDICATES YOU ARE PREPARING EXAMINATION REPORTS ON DMEA-5033, 5035, 5036, 5037, 5038, AND 5039. PLEASE TELETYPE WHETHER A CLEARCUT DENIAL, APPROVAL, OR BORDERLINE WILL BE RECOMMENDED FOR EACH APPLICATION.

George C. Selfridge

CHAIRMAN, OPERATING COMMITTEE

FLK/lsm 8-15-58
cc: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKillsgaard, 5224
Dockets DMEA-5033
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-5036
-5037
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| | | |
| | | |

224 New Customhouse
Denver 2, Colorado
June 13, 1958

Memorandum

To: E. F. Harahman w/enclosures 1-6 below
DMEA/DPC Binyon w/enclosures 1-6 below

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 5038 (Uranium) Giant Cycle Corporation (Standam-Tayler, DePue, and Oxide Metals Leases) Fall River County, South Dakota

Enclosed is the following material relating to the subject docket:

1. Copy of the application for Government assistance for exploration work under the DMEA program.

2. Memorandum of Review by N. E. Nelson, USGS.

3. Memorandum of Review by James Pacos, USBM.

4. Letter of transmittal of the foregoing to this office dated June 9, 1958, from the Chairman, Operating Committee, DMEA.

5. Drill bids from Scott Bros., Fryar Drilling Company, and E. E. Hubbard.

6. Routing Control sheet.

A field examination of the property and a joint report of findings and recommendations pertaining to the Applicant's work proposal are requested.

Original signed by
J. W. TOWNSEND

J. W. Townsend

JWT:dp
cc: Op. Comm. 2
Docket
Chrman.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado
June 13, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED JUN 16 1958
DATE | | |
6/16 | C | 220
| | 700

Memorandum

To: Secretary to the Operating Committee

From: Alternate Acting Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA 5038 (Uranium) Giant Cycle Corporation (Standen-Taylor, DePue, and Oxide Metals Leases) Fall River County, South Dakota

Enclosed are three drilling bids applicable to the subject docket from the Scott Bros. Drilling Company, Fryar Drilling Company, and E. E. Hubbard.

J. W. Townsend

SCOTT BROS.
drilling company
"Exploration Drilling Service"

FIELD OFFICE
E 66 AVE PHONE UN 3-5202
GALLUP NEW MEXICO

FIELD OFFICE
YUCCA HOTEL PHONE AT 7-4741
GRANTS NEW MEXICO

300 KORBER BLDG. · PHONE CHAPEL 2-3500
ALBUQUERQUE, NEW MEXICO

May 28, 1958

DMEA
DEPARTMENT OF THE INTERIOR
JUN 3 - 1958
REGION III
DENVER, COLORADO

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Att: Mr. G. M. Murray

Gentlemen:

In response to your invitation to bid on drilling in the area near Edgemont, South Dakota, we wish to submit the following rates for your consideration:

Non-core drilling..... $ 1.15 per ft.

Core drilling..... 4.25 per ft.

Washout and stand-by time..... 12.50 per hr.

If we can provide any additional information pertaining to this bid we shall be glad to do so upon request.

Very truly yours,

SCOTT BROS. DRILLING CO.

W. Scott, Partner

LMS:jjo

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| DATE | INITIALS | CODE |
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THESE ARE BIDS FOR THREE LOAN APPLICATIONS: DOCKET NUMBERS DMEA 5037, DMEA 5038, DMEA 5039. Golden Cycle Corporation, P. O. Box 86, Colorado Springs, Colorado

DMEA
DEPARTMENT OF THE INTERIOR
JUN 3 - 1958
REGION III
DENVER, COLORADO

May 29, 1958

Mr. George M. Murray
Giant Cycle Corporation
Colorado Springs, Colo.

Dear Sir,

I am pleased to submit the following bid on your exploration drilling contract. Consider this a firm bid with the explicit understanding that all payments are to be made on bottom hole depths. Holes not approved by D. M. E. A. specifications are not too be charged against the client. I would like to come to Colorado Springs to personally discuss this contract with you. I will ask my insurance agent to forward you a certificate of my policies. The equipment I will make available will be a combination blasher machine mounted on an R 230 International, 1000 gal. water truck, [illegible] barrel, welding eqpt., etc.etc.

All Phase

| Depth | | Price per foot |
|---|---|---|
| 0 | 150 | $ .30 |
| 150 | 300 | .79 |
| 300 | 900 | 1.00 |
| Coring price, diamond core head | | 6.00 |

Very Truly Yours,

THESE ARE BIDS FOR THREE LOAN APPLICATIONS: DOCKET NUMBERS DMEA 5037, DMEA 5038, DMEA 5039. Golden Cycle Corporation, P. O. Box 86, Colorado Springs, Colorado

FRYAR DRILLING COMPANY

Box 766

Moab, Utah

DMEA
DEPARTMENT OF THE INTERIOR
JUN 3 - 1958
REGION III
DENVER, COLORADO

May 29, 1958

To: Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

BID ON DRILLING

Plug Drilling

$ .50 per ft. for 100 ft. or less
.75 per ft. for 200 ft. or less
1.00 per ft. for 300 ft. or less
1.25 per ft. for 400 ft. or less
1.50 per ft. for 500 ft. or less

Coring

$6.00 per ft. no guarantee of recovery

The Giant Cycle Company furnish all mud and lost circulation material and, if needed, extra water trucks.

R. J. Fryar

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 6/6/58 | Murphy | 700 |
| " | Ellis | 700 |
| 6/9 | Selbridge | 150 |
| " | Johnson | 110 |
| " | Mittendorf | 100 |
| 6/10 | H. G. T. | 220 |
| | | 700 |
| 6/9 | Lamb | 130 |
| 6/9 | Kilsgaard | 130 |

JUN 9 1958

Mr. Max W. Bowen
Executive Vice-President
Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Re: Docket No. DMEA-5038 (Uranium)
Standen-Taylor, DePue, and
Metals Oxide Leases
Fall River County, South Dakota

Dear Mr. Bowen:

The application for assistance in exploring your property, under the captioned docket number, has been reviewed by the Division of Rare and Miscellaneous Metals of the Defense Minerals Exploration Administration. It has been referred to:

Mr. J. W. Townsend
Alternate Acting Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/gla
6-6-58
cc to: Admr.'s Reading File
Mr. Murphy
DMEA Field Team, Region III (2)

8623

DMRA Form 7
(12-56)

OFFICIAL FILE COPY

| Date | Surname | Code |
|---|---|---|
| 6/6/58 | Murphey | 700 |
| " | Ellis | 700 |
| 6/9 | [illegible] | 130 |
| 6/" | [illegible] | 110 |
| " | [illegible] | 100 |
| 6/10 | [illegible] | 220 |
| | | 700 |
| | | |
| | | |

JUN 9 1958

Mr. J. W. Townsend
Alternate Acting Executive Officer
DMRA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket No. DMRA-5038 (Uranium)
Giant Cycle Corporation
Standen-Taylor, DePue, and
Metal Oxide Leases
Fall River County, South Dakota

Dear Mr. Townsend:

The captioned application is referred to Region III Field Team for review, a field examination if deemed advisable, and recommendations.

Enclosed are copies of memoranda, dated June 4 and 6, 1958, by N. E. Nelson, USGS, and James Paone, USBM, respectively, relating to the application. Also enclosed, for Field Team use, are two copies of the application.

In the event the Field Team recommends a project to explore the subject leased lands, the Applicant should be advised that if a contract is approved we will require the following Consents to Lien and Subordination Agreements:

Standen-Taylor Lease - N½ sec. 35, T. 7 S., R. 2 E.:
by Charles A. Standen, Glen D. Standen,
Nettie L. Taylor, and Norah E. Taylor;

Claims: Goof Off Nos. 1, 2, and 2½, South View
Nos. 1-9, inclusive, and Berit Nos. 1 and 2:
by Oxide Metals Corporation; and

Claims: Virginia C, Virginia C Nos. 1 and 2,
Button Nos. 1 and 2, and Viking No. 1:
by Milford A. DePue.

8623

The Applicant should also be requested to submit copies of the lease agreements between Oxide Metals Corporation, Edgemont Mining & Uranium Corporation, and Giant Resources, Inc. We have a copy of the latter corporation's assignment of the Goof Off, et al., claims to the Applicant.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

FMMurphy/gla
6-6-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
Mr. Murphy

P.S. If projects are approved under both docket numbers DMEA-5038 and DMEA-5039, consideration should be given to combining them under one contract.

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RECEIVED JUN 6 1958
DATE | NAME
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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Date: June 6, 1958

DMA Docket No. 5038
DMA Contract No.
Commodity: Uranium
Name of Applicant: Giant Cycle Corp.
Name of Property: Standen-Taylor, DePue, & Metal Ox Lease
Location of Property: Fall River, County, S. Dak.
Estimated Cost of Project: $33,356.00

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: James Paone, Bureau of Mines Member
Uranium Commodity Committee
Subject: Review of Application

1. Date of application received: 5/27/58 2. Date received by Bureau: 6/2/58

3. Prior reports on this property known to exist: Yes [ ] No [ ]

4. Prior reports on area by private laws to exist: Yes [ ] No [ ]

5. Information available on the property: Yes [ ] No [ ]

6. Other pertinent Bureau laws to consider: Yes [ ] No [ ]

7. Explain items marked "yes" above:

8. Factors including special consideration

a. Location [ ]
b. Geology [ ]
c. Evidence of mineralization [ ]
d. Economy [ ]
e. Physical exploration data [ ]
f. Alternate exploration [illegible] [ ]
g. Other
h. [ ]

9. Action taken:

a. Notify applicant of approval [ ]
b. Ask to hold [illegible] [x]
c. Reject [ ]
d. Agree with hold [illegible] [ ]
e. Notify applicant [illegible]
f. Explore alternate [illegible]
g. Explore [illegible]
h. Approval [ ]
i. Notify [illegible]

10. Remarks: (Use back if more space is needed)

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RECEIVED JUN 5 1958

IN REPLY REFER TO:

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

| | | |
|---|---|---|
| 6/5 | C | 220 |
| 6/6 | Ellis | 700 |
| | Murphy | |

June 4, 1958
Re: DMEA 5038
Grant Cycle Corp.
Standen-Taylor, DePue, etc. claims
Fall River County, S. D.
$33,356 - Uranium

Memorandum

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

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

Subject: Review of application

As in applications 5037 and 5039, assistance is requested in prospecting by widely-spaced drill holes, for deposits of uranium-bearing minerals in the Early Cretaceous Lakota formation.

Unlike the Triangle Group of 5037, these claims contain no known ore, although the application says commercial grade ore has been mined from the Fall River formation on the DePue and Taylor properties. The application says 'Lakota' ore in substantial amount has been found 4 miles to the southeast and small deposits have been mined to the north. The A.E.C. drilled one hole which contains 2 feet of 0.65% $U_3O_8$ in the Lakota formation.

On the strength of the scattered showings in the Lakota, the applicant justifies the proposed prospecting of an area underlain by Lakota rocks. No channel, no trend, no belt has been indicated.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

May 29, 1958

Giant Cycle Corporation
P. O. Box 86
Colorado Springs, Colorado

Subject: DMEA-5038

Gentlemen:

Your application for exploration assistance, dated May 24, 1958 submitted to our office at Denver, Colorado has been assigned Docket Number DMEA-5038 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

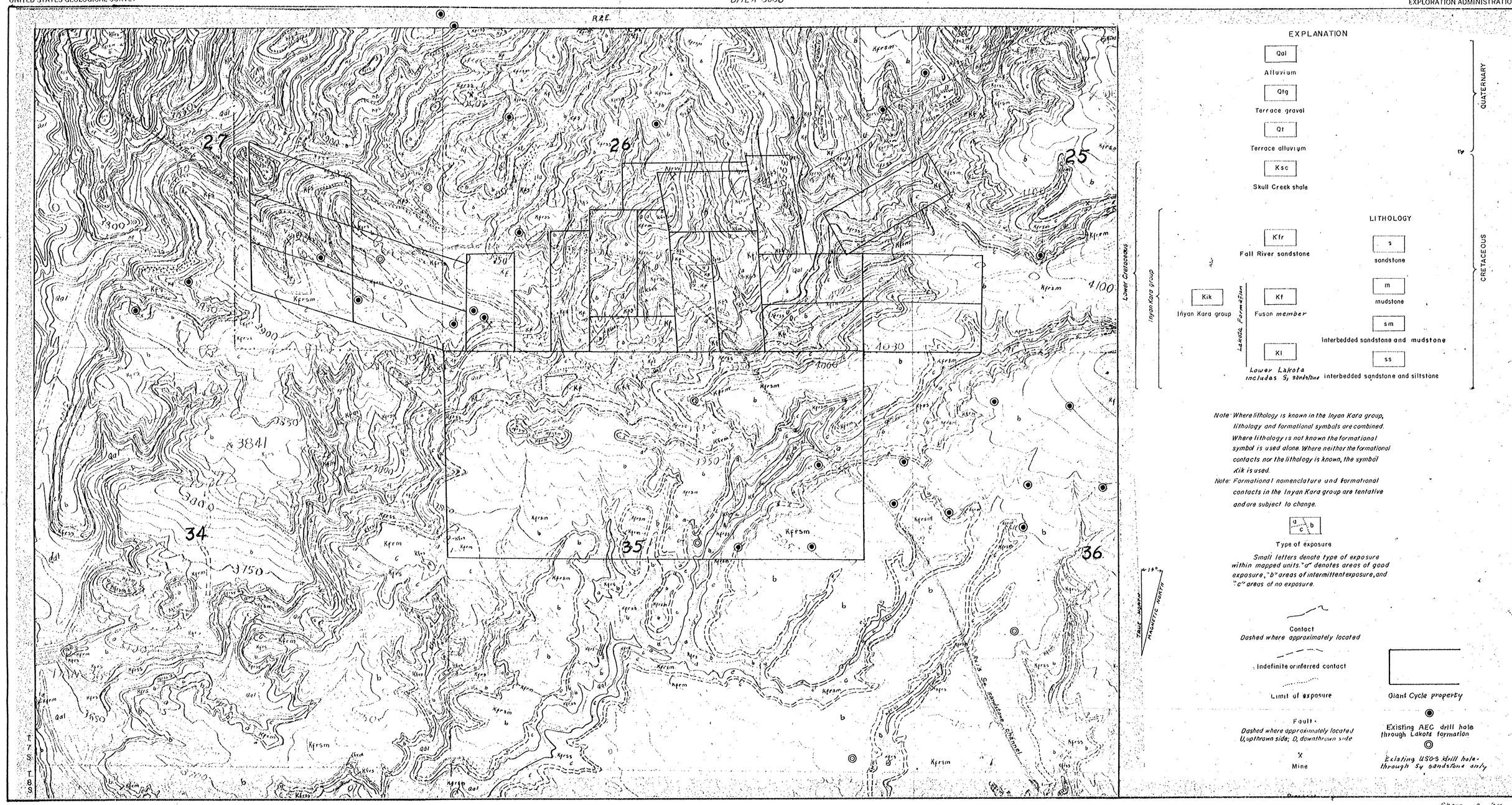
Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: Region III.

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

EXAMINATION REPORT
DMEA-5038

PREPARED FOR
DEFENSE MINERALS
EXPLORATION ADMINISTRATION

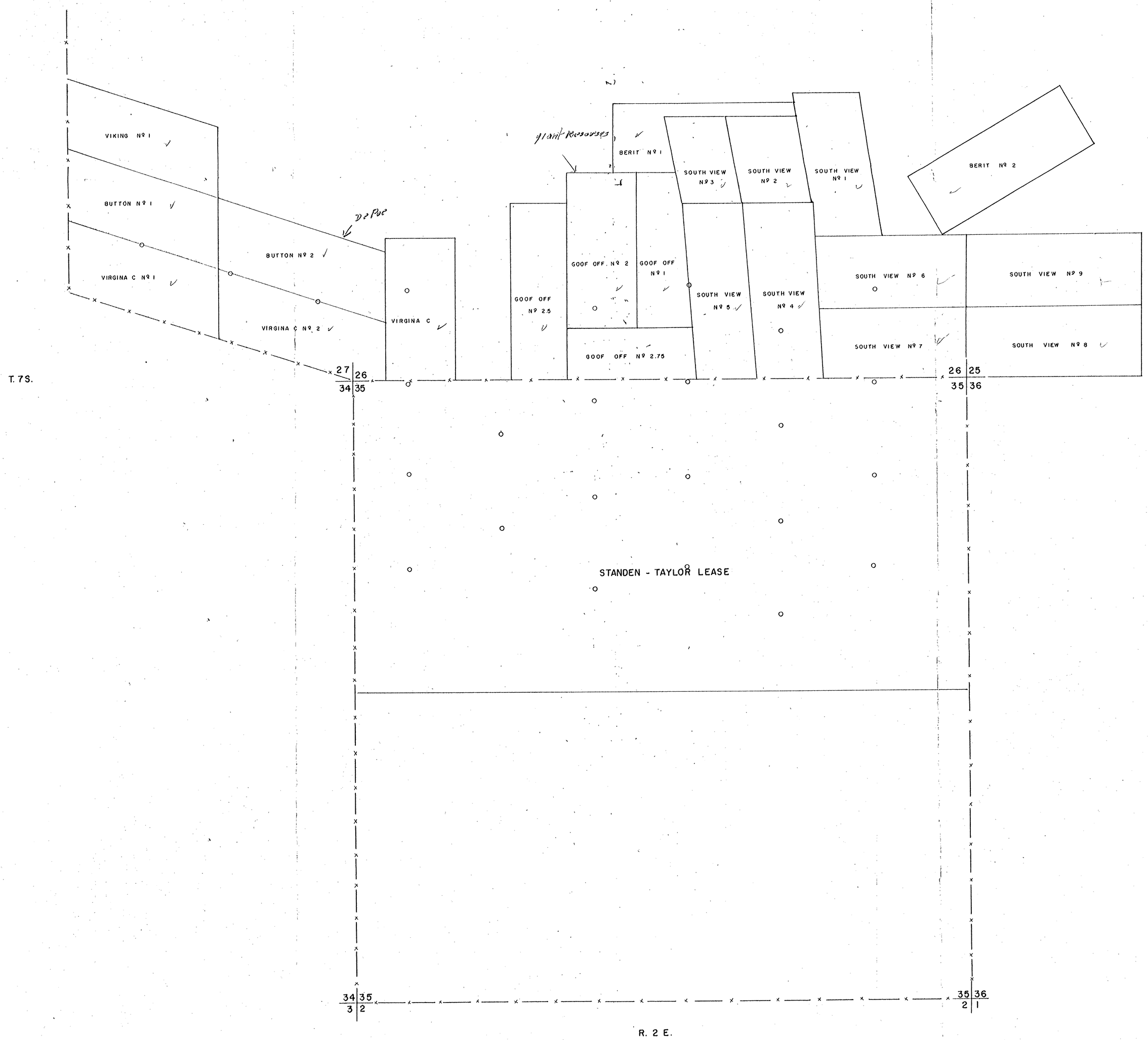



Geology and topography from map by Gott & Schnabel, USGS MF-59

Fig. 2 - GEOLOGIC MAP OF PART OF THE EDGEMONT NE QUADRANGLE, FALL RIVER CO., SO. DAK. SHOWING GIANT CYCLE CORP. PROPERTY AND SOME EXISTING DRILL HOLES
DMEA - 5038

0 1000 2000 3000 feet

EXHIBIT "B"
MAP
SHOWING
CLAIMS
AND
POSITION OF DRILL HOLES
FOR
D.M.E.A. LOAN
STANDEN-TAYLOR, DePUE AND OXIDE METAL LEASES
GIANT CYCLE CORPORATION
P. O. BOX 86
COLORADO SPRINGS, COLORADO




STANDEN-TAYLOR, DEPUE, METAL OXIDE PROPERTIES

GIANT CYCLE CORP.

5-19-58 SCALE 1"=400'