DMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

DMEA NO. 4606

Application (Denied ✓
(~~Withdrawn~~
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
Report of Review
Termination Notice or Agreement
Recision Notice
Assignment of Contract
Contract Amendments (latest on top)
Contract with all exhibits and annexes
Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
Application and attachments
(3) Envelope for maps

Right Side

✓ Project summary
Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

Final Field Team Report (Tab)
Operator's Final Report
(2R) Interim Reports
(2R) Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order)
Interim Summary Reports by W. O. Engineers

Right Side

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

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

(Copy)

EXTRA COPY
DMEA
RECEIVED Feb. 5 1957
DATE | IN | CODE

ASSIGNMENT OF QUIT-CLAIM DEED

This indenture, made this 29th day of January, 1957, by and between Paul L. Badger, of Arlington, Virginia, hereinafter called the Assignor, and the Comet Uranium Corporation, hereinafter called the Assignee:

W I T N E S S E T H:

That whereas on the 23rd day of August, 1955, Walter B. Snyder and Ovella Snyder, his wife, of Dove Creek, Colorado, and R. J. Fellmeth and Julia Ann Fellmeth, his wife, of Grand Junction, Colorado, Grantors, quit-claimed to the Assignor all of their right, title and interest in and to certain mining claims located in San Juan County, Utah; and

Whereas,

Said Assignor is desirous of quit-claiming and transferring all of his right, title and interest acquired under said quit-claim deed to the Comet Uranium Corporation, the rightful owner of the said mining claims,

Now, Therefore:

For and in consideration of the sum of One Dollar ($1.00) and other valuable consideration, the receipt of which is hereby acknowledged, the Assignor does hereby grant, bargain, sell, remise and forever quit-claim to the Assignee, the Comet Uranium Corporation, its successors and assigns, the following mining claims, which certificates of location are recorded in the County Recorder's Office of San Juan County, of the State of Utah:

NAME OF CLAIM	DATE OF RECORDING	BOOK	PAGE
Wolf #1	April 6, 1953	23	170
Wolf #2	"	23	170
Wolf #3	"	23	171
Wolf #4	"	23	171

NAME OF CLAIM	DATE OF RECORDING	BOOK	PAGE
Wolf #5	April 6, 1953	23	172
Wolf #6	"	23	172
Wolf #7	"	23	173
Wolf #8	"	23	173
Wolf #9	"	23	174
Wolf #10	"	23	174
Wolf #11	"	23	175
Wolf #12	"	23	175
Wolf #13	"	23	176
Wolf #14	"	23	176
Wolf #15	"	23	177
Wolf #16	"	23	177
Wolf #17	"	23	178
Wolf #18	"	23	178
Single Jack #5	April 6, 1953	23	148
Single Jack #6	"	23	148
Single Jack #7	"	23	149
Single Jack #8	"	23	149
Single Jack #9	"	23	150
Single Jack #10	"	23	150
Single Jack #11			
Fox #1	April 6, 1953	23	167
Fox #2	"	23	167
Fox #3	"	23	168
Fox #4	"	23	168
Fox #5	"	23	169
Fox #6	"	23	169
Waco #1	February 6, 1954	55	230
Waco #2	"	55	231
Navajo #2	May 16, 1954	25	277
Navajo #4	"	25	278
Navajo #6	"	25	279
Navajo #8	"	25	280
Wild Papoose #1	May 30, 1954	103	230
Wild Papoose #2	"	103	230
Wild Papoose #3	"	103	231
Wild Papoose #4	"	103	231
Wild Papoose #5	"	103	232
Wild Papoose #6	"	103	232
Wild Papoose #7	"	103	233
Wild Papoose #8	"	103	233
Wild Papoose #9	"	103	234
Wild Papoose #10	"	103	234
Wild Papoose #11	"	103	235
Wild Papoose #12	"	103	235
Longhorn #1	January 7, 1954	47	123
Longhorn #2	"	47	123
Longhorn #3	"	47	124
Longhorn #4	"	47	124
Longhorn #5	"	47	125
Jessie #1	January 7, 1954	47	121
Jessie #2	"	47	121
Jessie #3	"	47	122
Jessie #4	"	47	122

NAME OF CLAIM	DATE OF RECORDING	BOOK	PAGE
Beverly #1	June 30, 1954	119	316
Beverly #2	"	119	316
Beverly #3	"	119	317
Beverly #4	"	119	317
Beverly #5	"	119	318
Uranium Chief #34	June 15, 1954	109	375
Uranium Chief #35	"	109	376
Uranium Chief #36	"	109	376
Uranium Chief #37	"	109	377
Uranium Chief #38	"	109	377
Uranium Chief #39	"	109	378
Uranium Chief #40	"	109	378
Kuybab #1		335	129
Kuybab #2		335	129
Kuybab #3		335	130
Kuybab #4		335	130
Kuybab #5		335	131
Kuybab #6		335	131
Kuybab #7		335	132
Kuybab #8		335	132
Kuybab #9		335	133
Kuybab #10		335	133
Kuybab #11		335	134
Kuybab #12		335	134
Kuybab #13		335	135
Kuybab #14		335	135
Kuybab #15		335	136
Lucky Boy #1	January 29, 1954	53	12
Lucky Boy #2	"	53	12
Lucky Boy #3	"	53	13
Lucky Boy #4	"	53	14
Lucky Boy #5	"	53	14
Lucky Boy #6	"	53	15
Lucky Boy #7	"	53	15
Lucky Boy #8	"	53	16
Lucky Boy #9	"	53	16

IN WITNESS WHEREOF, the Assignor has hereunto set his hand and seal this 29th day of January, 1957.

Paul L. Badger
Paul L. Badger
Assignor

WITNESSES:

Betty Jean Byrd

Louise M. Botelho

Acknowledgement

District of Columbia)
) ss:
City of Washington)

On this 29th day of January, 1957, personally appeared

before me Paul L. Badger, the signer of the foregoing instrument, who being duly sworn acknowledged to me that he executed the same.

Edwin C. Blanchard
Notary Public, D. C.

My Commission Expires: Oct. 15, 1959.

A G R E E M E N T

THIS AGREEMENT, entered into on this 13th day of December, 1954 between Walter B. Snyder of Dove Creek, Colorado and R. J. Fellmeth of Moab, Utah, hereinafter referred to as the Sellers, and Paul L. Badger of Arlington, Virginia, hereinafter referred to as the Buyer, WITNESSETH:

THAT WHEREAS, the Sellers desire to sell, transfer and convey all of their right, title and interest in certain unpatented lode mining claims to the Buyer;

AND WHEREAS, the Buyer is represented to the Sellers as an individual and that said Buyer desires to purchase all of the Sellers' right, title and interest in certain unpatented lode mining claims,

NOW THEREFORE, the following conditions are entered into of our own free volition and will:

1. The Sellers agree to sell, transfer, and convey to the Buyer by quit claim deed who hereby agrees to purchase and receive the 94 unpatented lode mining claims which are designated and listed on Exhibit A to this agreement. Said Exhibit A is hereby incorporated in the agreement by reference and is made a part hereof.

2. The amount of $98,000.00 will constitute the total consideration for the transfer and conveyance of the claims covered by the agreement. plb MBS RJF

3. The Buyer agrees to pay and the Seller agrees to receive an installment of $30,750.00 upon the signing of this agreement and the balance of $67,250.00 of the total consideration of $98,000.00 which will be due and payable to the Seller on or before May 1, 1955. Buyer shall do no drilling on said claims until the entire purchase price has been paid. RJF plb

4. Sellers reserve from said sale eight (8) per cent gross royalty out of production from any ores mined, marketed, and produced by Buyer from the following designated claims, with the right to elect to receive payment from the point of marketing:

Wolf Nos. 1 to 18, Incl.
Single Jack Nos. 5 to 10, Incl.
Lucky Boy Nos. 1 to 9, Incl.
Waco Nos. 1 and 2
Fox Nos. 1 to 6, Incl.
Navajo Nos. 1 to 8, Incl.
Kaybab Nos. 1 to 15, Incl.

Other claims carry a gross royalty out of production of four (4) per cent.

5. The Buyer may sell, assign or transfer his right under the agreement, but the interest of the Seller is established by this agreement, and the Buyer is to remain properly liable under this agreement.

6. It is understood and agreed that time is of the essence of this agreement, and failure of the Buyer to perform within the time limited, any of the covenants herein shall cause the entire agreement to be declared null and void at the option of the Seller, and all sums paid the Seller at that point shall be forfeited to the Seller as liquidated damages and not as penalty for non-performance.

7. The terms and provisions of the agreement shall survive the execution of any deed and shall be binding upon the heirs, legal representatives and assigns of the parties hereto. This agreement may not be changed orally.

BUYER:

Paul L. Badger

Paul L. Badger

SELLERS:

Walter B. Snyder

Walter B. Snyder

R. J. Fellmeth

R. J. Fellmeth

XHIBIT A

Claim Name & Number	Book	Page	Recording Date
Wolf No. 1	23	170	4-6-53-
Wolf No. 2	23	170	4 -6-53
Wolf No. 3	23	171	4-6-53
Wolf No. 4	23	171	4-6-53
Wolf No. 5	23	172	4-6-53
Wolf No. 6	23	172	4-6-53
Wolf No. 7	23	173	4-6-53
Wolf No. 8	23	173	4-6-53
Wolf No. 9	23	174	4-6-53
Wolf No. 10	23	174	4-6-53
Wolf No. 11	23	175	4-6-53
Wolf No. 12	23	175	4-6-53
Wolf No. 13	23	176	4-6-53
Wolf No. 14	23	176	4-6-53
Wolf No. 15	23	177	4-6-53
Wolf No. 16	23	177	4-6-53
Wolf No. 17	23	178	4-6-53
Wolf No. 18	23	178	4-6-53
Single Jack No. 5	23	148	4-6-53
Single Jack No. 6	23	148	4-6-53
Single Jack No. 7	23	149	4-6-53
Single Jack No. 8	23	149	4-6-53
Single Jack No. 9	23	150	4-6-53
Single Jack No. 10	23	150	4-6-53
Single Jack No. 11	-	-	- - -
Lucky Boy No. 1	53	12	1-29-54
Lucky Boy No. 2	53	12	1-29-54
Lucky Boy No. 3	53	13	1-29-54
Lucky Boy No. 4	53	13	1-29-54
Lucky Boy No. 5	53	14	1-29-54
Lucky Boy No. 6	53	14	1-29-54
Lucky Boy No. 7	53	15	1-29-54
Lucky Boy No. 8	53	15	1-29-54
Lucky Boy No. 9	53	16	1-29-54
Waco No. 1	55	230	2- 6-54
Waco No. 2	55	231	2- 6-54
Fox No. 1	23	167	4-6-53
Fox No. 2	23	167	4-6-53
Fox No. 3	23	168	4-6-53
Fox No. 4	23	168	4-6-53
Fox No. 5	23	169	4-6-53
Fox No. 6	23	169	4-6-53
Navajo No. 2	25	277	5-16-54
Navajo No. 4	25	278	5-16-54
Navajo No. 6	25	279	5-16-54
Navajo No. 8	25	280	5-16-54
Wild Papoose No. 1	103	230	5-30-54
Wild Papoose No. 2	103	230	5-30-54
Wild Papoose No. 3	103	231	5-30-54
Wild Papoose No. 4	103	231	5-30-54
Wild Papoose No. 5	103	232	5-30-54
Wild Papoose No. 6	103	232	5-30-54
Wild Papoose No. 7	103	233	5-30-54
Wild Papoose No. 8	103	233	5-30-54
Wild Papoose No. 9	103	234	5-30-54
Wild Papoose No. 10	103	234	5-30-54
Wild Papoose No. 11	103	235	5-30-54
Wild Papoose No. 12	103	235	5-30-54

Claim Name & Number	Book	Page	Recording Date
Longhorn No. 1	47	123	1-7-54
Longhorn No. 2	47	123	1-7-54
Longhorn No. 3	47	124	1-7-54
Longhorn No. 4	47	124	1-7-54
Longhorn No. 5	47	125	1-7-54
			1
Jessie No. 1	47	121	1-7-54
Jessie No. 2	47	121	1-7-54
Jessie No. 3	47	122	1-7-54
Jessie No. 4	47	122	1-7-54
Beverly No. 1			6-30-54
Beverly No. 2			6-30-54
Beverly No. 3			6-30-54
Beverly No. 4			6-30-54
Beverly No. 5			6-30-54
Uranium Chief No. 34	109	375	6-15-54
Uranium Chief No. 35	109	376	6-15-54
Uranium Chief No. 36	109	376	6-15-54
Uranium Chief No. 37	109	377	6-15-54
Uranium Chief No. 38	109	377	6-15-54
Uranium Chief No. 39	109	378	6-15-54
Uranium Chief No. 40	109	378	6-15-54
Kuybab No. 1	35	129	9-11-53
Kuybab No. 2	35	129	9-11-53
Kuybab No. 3	35	130	9-11-53
Kuybab No. 4	35	130	9-11-53
Kuybab No. 5	35	131	9-11-53
Kuybab No. 6	35	131	9-11-53
Kuybab No. 7	35	132	9-11-53
Kuybab No. 8	35	132	9-11-53
Kuybab No. 9	35	133	9-11-53
Kuybab No. 10	35	133	9-11-53
Kuybab No. 11	35	134	9-11-53
Kuybab No. 12	35	134	9-11-53
Kuybab No. 13	35	135	9-11-53
Kuybab No. 14	35	135	9-11-53
Kuybab No. 15	35	136	9-11-53

A G R E E M E N T

THIS AGREEMENT, entered into on the 15th day of April, 1955 between Walter B. Snyder of Dove Creek, Colorado and R. J. Fellmeth of Moab, Utah, hereinafter referred to as the Sellers, and Paul L. Badger of Arlington, Virginia, hereinafter referred to as the Buyer, is intended to extend and to modify certain provisions in a prior agreement between the parties hereto, dated the 13th day of December, 1954, and to relate back and take effect as of said last-mentioned date, Witnesseth:

THAT WHEREAS, the Buyer desires to secure an extension of time in which to make payment of the total consideration due and payable under the terms of the aforesaid prior agreement;

AND WHEREAS, the Sellers desire to receive an additional cash payment prior to the date fixed for payment of the total consideration under the terms of the aforesaid prior agreement,

NOW, THEREFORE, in consideration of the premises and of the payment of $30,000 by the Buyer to the Sellers, postmarked on or before April 10, 1955, and receipt of which is hereby acknowledged, it is hereby mutually agreed as follows:

1. The balance of the total consideration of $98,000 as provided under the terms of the aforesaid prior agreement will be due and payable to the Sellers on or before August 15, 1955.

2. The Buyer will perform the assessment work required prior to July 1, 1955 in a pro-rata amount of $100 per claim, such work to be commenced prior to May 1, 1955. In the event that the Buyer shall furnish the Sellers with a signed copy of an underwriting agreement with a broker providing for a public offering at a price of $.05 per share, and prior to the commencement of such work, the Buyer shall have the right to drill and to otherwise prove and develop the said

94 mining claims during the performance and as a part of the said assessment work.

BUYER:

Paul L. Budgyer

SELLERS:

Matthew B. Snyder

R. J. Fellmeth

Geological Consultant Service
GEORGE R. GRANDBOUCHE GORDON K. ZARESKI
MOAB, UTAH

OFFICIAL FILE COPY
D M E A
RECEIVED JAN 17 1957

DATE	INITIALS	CODE
1-18	CW	220
		700

JANUARY 8, 1957

DEFENSE MINERALS EXPLORATION ADMINISTRATION
224 NEW CUSTOM HOUSE
DENVER 2, COLORADO

GENTLEMEN:

THE ATTACHED D.M.E.A. APPLICATION FOR FEDERAL AID IN THE EXPLORATION OF URANIUM AND VANADIUM MINERALS ON THE SINGLE JACK AND LUCKY BOY CLAIMS, OWNED BY COMET URANIUM CORPORATION, IS SUBMITTED FOR YOUR CONSIDERATION.

I BELIEVE THAT THIS PROPERTY JUSTIFIES THE PROPOSED PROGRAM. IT POSSESSES GOOD HOST ROCK CONDITIONS, HAVING A MEDIUM-GRAINED PORUS SAND DENOTING GOOD PERMEABILITY FOR THE PASSAGE OF SOLUTIONS, LIMONITE STAINS, CARBONACEOUS MATERIAL, FAVORABLE ORE-BEARING SANDSTONE THICKNESS, TEN MINERALIZED HOLES OUT OF TEN DRILLED, AND ALTERATION DENOTING THE PASSING OF SOLUTIONS. ALL OF THE ABOVE CRITERIA INDICATES TO THE AUTHOR THAT THE POSSIBILITY OF FINDING A HIGHLY COMMERCIAL URANIUM-VANADIUM ORE BODY IS GOOD.

IF I OR THE COMET URANIUM CORPORATION CAN BE OF ANY FURTHER HELP TO YOU, PLEASE FEEL FREE TO CONTACT US.

RESPECTFULLY SUBMITTED,

George R. Grandbouche

GEORGE R. GRANDBOUCHE
CONSULTING GEOLOGIST
GEOLOGICAL CONSULTANT SERVICE
BOX 862, MOAB, UTAH

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. 4606
Metal or Mineral Uranium
Date Received 1-17-57
Estimated Cost $43,459.70
Participation (Government %)

JAN 17 1957 D.M.E.A.

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: COMET URANIUM CORPORATION
501 PERPETUAL BUILDING
WASHINGTON 4, D. C. REFER TO PAGE 1

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

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

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

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

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract REFER TO ACCOMPANYING SURVEY MAP. THE CLAIMS ARE LISTED. PAGES 1 AND 2

(*b*) State any mine name by which the property is known. SOUTH LISBON VALLEY PROPERTIES

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise OWNER

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property. REFER TO PAGE 1

(*e*) If you own the land, describe any liens or encumbrances on it NONE

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. PAGE 2

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes. PAGE 2

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. PAGES 2 & 3

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you. PAGE 3 "GENERAL GEOLOGIC FEATURES"

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. PAGE 10

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power. PAGE 10

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

(b) Describe fully the proposed project, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. PAGE 10

(c) The work will start within 60 days and be completed within 6 months from the date of an exploration project contract. REFER TO PAGE 12

(d) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. PAGE 12

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

(a) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.). PAGE 12 AND 13

(b) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants. PAGE 13

(c) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. PAGE 13

(d) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be. NOT APPLICABLE

(e) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. NOT APPLICABLE

(f) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project. NOT APPLICABLE

(g) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes. PAGE 13

(h) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. REFER TO PAGE 13

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

7. (a) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? REFER TO PAGE 14

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

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

Explain in detail on acompanying paper. PAGE 14

CERTIFICATION

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

Dated JANUARY 8, 1957

COMET URANIUM CORPORATION
(Applicant)

By Paul h. Badger, President
501 Perpetual Bldg.
Washington 4, D.C.

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

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

COMET URANIUM CORPORATION

APPLICATION FOR D. M. E. A. LOAN

FOR

AN EXPLORATORY DRILLING PROGRAM

FOR

URANIUM AND VANADIUM OXIDES

SINGLE JACK & LUCKY BOY CLAIMS

SOUTH LISBON VALLEY AREA

SAN JUAN COUNTY, UTAH

RECEIVED
JAN 17 1957
D.M.E.A.

MOAB, UTAH

JANUARY, 1957

COMET URANIUM CORPORATION
501 PERPETUAL BUILDING
WASHINGTON 4, D. C.

1. NAME OF APPLICANT

(A) COMET URANIUM CORPORATION, 501 PERPETUAL BUILDING, WASHINGTON 4, D. C.

(B) THE COMET URANIUM CORPORATION IS A CORPORATION ORGANIZED IN AND DOING BUSINESS UNDER THE LAWS OF THE STATE OF UTAH.

(C) FOLLOWING ARE THE TITLES, NAMES AND ADDRESSES OF THE OFFICIALS.

1. PRESIDENT - PAUL L. BADGER
501 PERPETUAL BUILDING
WASHINGTON 4, D. C.
tel. ME-8077

2. VICE-PRESIDENT - WM. M. SCHEELA
1012 CEDAR LANE
FALLS CHURCH, VIRGINIA

3. SECRETARY - LINDSEY K. THOMAS
500 NORTH OAK STREET
FALLS CHURCH, VIRGINIA

4. TREASURER - FLOYD M. MOYE
501 PERPETUAL BUILDING
WASHINGTON 4, D. C.

3. APPLICANT'S PROPERTY RIGHTS:

(A) PLEASE REFER TO ACCOMPANYING MAP WHICH WAS TAKEN FROM SURVEY MAP BY REGISTERED LAND SURVEYOR, ROBERT E. BRANDON. THIS MAP ILLUSTRATES TIE WITH SECTIONS 31 AND 32, T 31 S, R 26 E AND SECTIONS 6 AND 5, T 32 S, R 26 E, SLBM.

(B) SOUTH LISBON PROPERTIES

(C) OWNER BY PURCHASE WITH 5% GROSS ROYALTY HELD BY ORIGINAL OWNER, R. BROWN OF DOVE CREEK, COLORADO.

(D) PURCHASE AGREEMENT WILL BE SENT IF NEEDED.

(E) NONE

(F) THE CLAIMS TO BE INCLUDED IN THE APPLICATION ARE LISTED AND RECORDED IN THE SAN JUAN COUNTY RECORDER'S OFFICE, MONTICELLO, UTAH AS FOLLOWS:

CLAIM NAME	BOOK	PAGE
SINGLE JACK No. 5	23	148
SINGLE JACK No. 6	23	148
SINGLE JACK No. 7	23	149
SINGLE JACK No. 8	23	149
SINGLE JACK No. 9	23	150
SINGLE JACK No. 10	23	150
SINGLE JACK No. 11	23	151
LUCKY BOY No. 1	53	12
LUCKY BOY No. 2	53	12
LUCKY BOY No. 3	53	13
LUCKY BOY No. 4	53	14
LUCKY BOY No. 5	53	14

THE ABOVE TWELVE CLAIMS TO BE INCLUDED IN THIS APPLICATION WERE PURCHASED FROM WALTER SNYDER AND R. J. FELLMETH WITH A 5% GROSS ROYALTY HELD BY THE ORIGINAL OWNER, R. BROWN, DOVE CREEK, COLORADO.

SNYDER AND FELLMETH OBTAINED AN OPTION FROM R. BROWN AND SOLD THE CLAIMS TO THE COMET URANIUM CORPORATION.

PHYSICAL DESCRIPTION

4. (A), (B), (C)
HISTORY OF PRODUCTION IN THE AREA:
THE AREA COVERED BY THESE CLAIMS IS CONSIDERED A MARGINAL ZONE ADJACENT TO THE SLICK ROCK MINING DISTRICT IN COLORADO AND THE WATER FALL GROUP IN UTAH. THE NEAREST PRODUCTION IS APPROXIMATELY ONE MILE TO THE NORTH-

EAST WHICH IS KNOWN AS THE LIBERTY MINE. PRODUCTION FIGURES ARE NOT AVAILABLE BUT THE MINE IS NOT CONSIDERED A MAJOR PRODUCER. VARIOUS QUANTITIES OF ORE WERE SHIPPED IN 1954 AND 1955, BUT TONAGE AND GRADE ARE NOT KNOWN. SOME OF THE MAJOR PRODUCERS OF THE SLICK ROCK MINING DISTRICT ARE APPROXIMATELY TWO MILES EAST OF THE LIBERTY MINE. THE QUEEN BEE MINE IS SITUATED NORTHWEST OF THE SINGLE JACK AND LUCKY BOY CLAIMS, AND LIKE THE LIBERTY MINE, PRODUCTION AND GRADE ARE NOT KNOWN. THE WATERFALL GROUP LIES WEST OF THE MINE A SHORT DISTANCE AND HAS A SUBSTANTIAL PAST PRODUCTION.

THE SINGLE JACK AND LUCKY BOY AREA HAS UNDERGONE VERY LITTLE EXPLORATORY WORK; HOWEVER, A LIMITED AMOUNT OF WAGON DRILLING WAS DONE ON ADDITIONAL COMET URANIUM PROPERTIES APPROXIMATELY 1½ MILES EAST OF THE CLAIM AREA.

COMET URANIUM CORPORATION DRILLED TEN HOLES ON THESE CLAIMS IN 1956. EACH OF THE TEN HOLES HAD A SLIGHT RADIOMETRIC COUNT BUT NO COMMERCIAL ORE WAS ENCOUNTERED. THE SIGNIFICANCE OF THE SLIGHT RADIOMETRIC READINGS IS NOT KNOWN AT THIS TIME.

GENERAL GEOLOGIC FEATURES

REGIONAL GEOLOGY: THE CLAIM AREA EXHIBITS COMPARATIVELY FLAT LYING SEDIMENTARY FORMATIONS HAVING A 1 TO 2 DEGREE SOUTHWESTERLY DIP. FORMATIONS EXPOSED RANGE FROM THE ENTRADA SANDSTONE OF JURASSIC AGE TO THE DAKOTA-BURRO CANYON (?) OF CRETACEOUS AGE.

LOCAL GEOLOGY: THE CLAIMS ARE SITUATED ON THE UPPER RIM OF THE SALT WASH MEMBER OF THE MORRISON FORMATION AND EXTEND TO THE DAKOTA-BURRO CANYON (?) FORMATION. BEDDING IS FLAT AND EXPLORATION WOULD BE PERFORMED BY PENETRATING VARIOUS PORTIONS OF THE BRUSHY BASIN MEMBER OF THE MORRISON. NO MAJOR FAULTING IS KNOWN IN THE AREAS.

HOLE NO. 1 OF THE PREVIOUSLY MENTIONED TEN HOLES DRILLED IN 1956, COMPLETELY PENETRATED THE SALT WASH REVEALING A THICKNESS OF 243 FEET. THREE SANDSTONE RIMS WERE PRESENT IN THE AREA WITH THE UPPER MOST (THIRD) BEING THE MOST FAVORABLE FOR THE OCCURRENCE OF URANIUM ORES. THE REMAINING NINE HOLES WERE BOTTOMED AT THE BASE OF THIS RIM. FOLLOWING ARE THE PHYSICAL LOGS:

LEGEND

BL	BLUE	GY	GRAY	HD	HARD	SS	SANDSTONE
RD	RED	WH	WHITE	SH	SHALE	M	MEDIUM
GR	GREEN	BR	BROWN	MS	MUDSTONE	GN	GRAIN
LT	LIGHT	DK	DARK			CGL	CONGLOMERATE

HOLE NO. 1

0 - 8 OVERBURDEN
8 - 132 BL, RD, & BR SH LENSES
132 - 139 GY SS
139 - 149 BL, MS, SS LENSES
149 - 163 GY SS, BL MS & SH LENSES, HD SS STRINGERS (ORE HORISON)
163 - 190 BL MS & SH, HD SS LENSES
190 - 204 GY SS, HD SS LENSES
204 - 212 BL MS & SH, SS STRINGERS
212 - 251 GY TO WH & GR SS
251 - 270 RD SH & MS

HOLE NO. 2

0 - 8 OVERBURDEN
8 - 155 RD, BR & BL MS & SH
155 - 165 GY SS, BL MS & SH LENSES } ORE HORIZON
165 - 167 GY SS, CARBON STRINGERS - MINERALIZED } ORE HORIZON
167 - 175 BL MS & SH

HOLE NO. 3

0 - 8	BR SS, M GN
8 - 20	RD MS & SH
20 - 137	BL & BR MS & SH
137 - 153	ALTERNATING HD, GY SS & BL MS STRINGERS
153 - 170	GY SS & CARBON STRINGERS - MINERALIZED (ORE HORIZON)
170 - 175	BL MS & SH

HOLE NO. 4

0 - 6	LT BR SS, M GN
6 - 30	RD MS & SH
30 - 55	BL, BR SH & MS
55 - 62	BR SS, M GN
62 - 65	CGL
65 - 147	BL & BR MS & SH (WET)
147 - 175	GY M GN SS, HD SS STRINGERS - MINERALIZED LENSES (ORE HORIZON)
175 - 177	BL MS & SH
177 - 190	LT GY, M GN SS
190 - 195	BL MS & SH

HOLE NO. 5

0 - 30	RD MS & SH
30 - 60	BL & BR MS
60 - 65	LT BR M GN SS
65 - 70	CGL
70 - 155	BL MS & SH, SS LENSES - WET
155 - 183	BL MS & SH
183 - 200	WH TO GY M GN SS (ORE HORIZON)
200 - 210	BL MS & SH

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HOLE NO. 6

0 - 8	BR M GN SS
8 - 28	RD MS & SH
28 - 60	BR & BL SH - WET
60 - 63	BR SS, M GN
63 - 65	CGL
65 - 100	BL MS & SH - WET
100 - 105	LT GY, M GN TO FN SS - HARD
105 - 160	BL MS & SH LENSES
160 - 190	LT GY, M GN SS (ORE HORIZON)
190 - 195	BL MS & SH

HOLE No. 7

0 - 20	RD, BR MS & SH
20 - 23	LT BR M GN SS
23 - 60	BL MS & SH - WET
60 - 65	CGL UNCONSOLIDATED SS
65 - 90	BL MS & SH - WET
90 - 94	LT GY M GN SS
94 - 150	BL MS & SH - WET
150 - 180	LT GY, M GN SS, BL MS STRINGERS (ORE HORIZON)
180 - 190	BL MS & SH

HOLE No. 8

0 - 20	RD, BR MS & SH, SS LENSES
20 - 55	BL MS & SH - WET
55 - 70	LT GY, HD, M TO FN GN SS
70 - 120	BL MS & SH - WET
120 - 135	LT GY, M GN SS
135 - 150	BL MS & SH - WET
150 - 160	LT GY, M GN SS
160 - 165	BL MS & SH
165 - 180	LT GY SS, BL MS STRINGERS (ORE HORIZON)
180 - 190	BL MS & SH

HOLE No. 9

0 - 30	RD & BR MS & SH
30 - 50	BL MS & SH - WET
50 - 80	LT GY, M GN SS, BL MS STRINGERS
80 - 100	BL MS & SH - WET
100 - 115	LT GY TO BR, M GN SS
115 - 150	BL MS & SH - WET
150 - 180	DK GY, M GN SS - LIMONITE - CARBON GOOD COLOR (ORE HORIZON)
180 - 184	BL MS & SH
184 - 190	GY, M TO FN GN, HD SS
190 - 195	BL MS & SH

NOTE: GOOD COLOR AND MINERALIZED

HOLE No. 10

0 - 30	RD MS & BR SS LENSES
30 - 40	LT GY, M GN SS
40 - 60	LT BR, M GN SS, BL MS STRINGERS
60 - 120	BL MS & SH - WET
120 - 140	LT GY, M GN SS (ORE HORIZON)
140 - 146	BL MS & SH
146 - 155	LT GY SS
155 - 165	BL MS & SH

THE FOLLOWING GEOLOGICAL DRILLING REPORT FOR THE 1956 ASSESSMENT WORK WAS PREPARED BY GEORGE R. GRANDBOUCHE AND SUBMITTED TO COMET URANIUM IN SEPTEMBER, 1956:

SUPPLEMENTAL REPORT TO THE 1955 DRILLING REPORT

INTRODUCTION

THIS REPORT COVERS ASSESSMENT WORK FOR THE PERIOD JULY 1, 1956 TO JULY 1, 1957. A TOTAL OF 1,960 FEET WAS DRILLED ON THE LUCKY BOY, WOLF AND SINGLE JACK GROUPS OF CLAIMS WHICH ARE LOCATED IN SECTION 31, T 31 S, R 26 E AND SECTIONS 5 AND 6, T 32 S, R 26 E. DRILL SITES AND ROAD ACCESS WERE COMPLETED DURING THE 1955 ASSESSMENT WORK PERIOD AND THEREFORE, NONE WAS NEEDED FOR THIS DRILLING PROGRAM.

EXPLORATION OF THE WOLF SINGLE JACK & LUCKY BOY CLAIMS

A TOTAL OF TEN HOLES WERE DRILLED. NO CORING WAS DONE AS IT WAS BELIEVED UNNECESSARY AT LEAST UNTIL, OR IF, MINERALIZATION WAS ENCOUNTERED. HOLE NUMBER 1 WAS DRILLED COMPLETELY THROUGH THE SALT WASH FORMATION IN ORDER TO OBTAIN DEPTHS AND GEOLOGICAL INFORMATION RE-

GARDING THE POSITION OF THE ORE-BEARING SAND IN THE AREA. IT WAS FOUND THAT THE ZONE FROM 130 FEET TO 170 FEET WAS THE MOST IMPORTANT SAND. THE OTHER NINE HOLES WERE BOTTOMED ACCORDING TO THIS CRITERION. ALL OF THE HOLES CARRIED A HIGH DEGREE OF CARBONACEOUS MATERIAL WITHIN THE TARGET ZONE AND ALL THE HOLES WERE VERY SLIGHTLY MINERALIZED. THIS MAY OR MAY NOT BE INDICATIVE OF A POTENTIAL ORE BODY. IT IS THOUGHT THE SAND IS OF SUCH A NATURE THAT LOW RADIOMETRIC READING WOULD BE NORMAL OR THAT THE FRINGES OF A COMMERCIAL ORE BODY WERE PENETRATED.

HOLE NUMBER 4 HAD THE THICKEST AMOUNT OF FAVORABLE SAND FROM 147 FEET TO 175 FEET IN DEPTH. A DARK GRAY SANDSTONE WAS ENCOUNTERED CONTAINING WATER AND SOME HARD SANDSTONE RIBS. THE THICKNESS OF THE FAVORABLE SAND VARIED GREATLY; THE LEAST AMOUNT BEING FOUND IN HOLE NUMBER 2 WITH ONLY SIX FEET.

THE UNDULATING OF FAVORABLE SANDS IN THE SALT WASH HAVE LONG BEEN CONSIDERED FAVORABLE FOR THE DEPOSITION OF URANIUM ORES. ALSO, ALL OF THE SALT WASH PRODUCING AREAS EXHIBIT SUCH A CHARACTERISTIC.

FROM THE EVALUATION THAT WAS MADE IN THE 1955 REPORT, IT SHOULD BE MENTIONED HERE, A PROGRAM INVOLVING HIGH EXPENDITURE MUST BE CONSIDERED FOR A COMPLETE DRILLING PROGRAM ON COMET URANIUM'S CLAIMS IN SOUTH LISBON VALLEY. THE AREA IS OF SUCH THAT MORE ACCESS ROAD WORK AND DRILL SITES MUST BE CONSTRUCTED AS ACCESSIBILITY IS DIFFICULT DUE TO TREES, THE DAKOTA CAP ROCK AND THE PRECARIOUS SLOPES OF THE BRUSHY BASIN MEMBER OF THE MORRISON. IT SHOULD BE REMEMBERED THAT DRILL HOLES SHOULD NEVER BE PLACED ACCORDING TO EASY ACCESSIBILITY BUT WHERE THE MOST LIKELY PLACE FOR ORE SHOULD OCCUR.

BEING ACQUAINTED WITH COMET URANIUM'S PROPERTY FOR THE PAST TWO YEARS, IT IS STRONGLY RECOMMENDED THAT SOME MEANS OF FINANCIAL SUPPORT BE OBTAINED ON THESE CLAIMS. THE MOST FAVORABLE WOULD BE A D. M. E. A. LOAN. THIS CAN BE OBTAINED PROVIDING ADEQUATE DATA AND PERSONNEL ARE AVAILABLE TO THE D. M. E. A. OFFICE. IT IS BELIEVED

THAT THE CONCERTED EFFORT ON COMET'S PART TO EXPLORE THE CLAIMS AND THE POTENTIAL OF THE CLAIMS SHOULD BE ADEQUATE FOR THE APPROVAL OF A D. M. E. A. LOAN. HOWEVER, IF THIS MEANS OF FINANCIAL HELP SHOULD NOT BE AVAILABLE, IT IS RECOMMENDED THAT THE CLAIMS BE FARMED OUT ON THE BASIS OF A 50% WORKING AGREEMENT. WITH THIS ARRANGEMENT, THE PARTIES INVOLVED WOULD APPROPRIATE ALL OF THE DRILLING AND BULLDOZER COSTS AND IF ORE WAS ENCOUNTERED, COMET URANIUM WOULD PARTICIPATE BY EXPENDING 50% OF THE COST OF ACCESS AND MINING. THIS PROCEEDURE IS BECOMING QUITE POPULAR ON THE COLORADO PLATEAU IN URANIUM EXPLORATION AND DEVELOPMENT.

IF WE CAN BE OF ANY SERVICE TO YOU REGARDING THE ABOVE APPROACHES, PLEASE NOTIFY THIS OFFICE.

George R. Grandbouche

GEORGE R. GRANDBOUCHE
GEOLOGICAL CONSULTANT

4. (D) THE SINGLE JACK AND LUCKY BOY CLAIMS ARE ACCESSABLE BY TRAVELING TWELVE MILES EAST OF MONTICELLO, UTAH ON U. S. HIGHWAY 160; THENCE NORTH TWELVE MILES ON A GOOD, GRAVELED, COUNTY MAINTAINED ROAD; THENCE EAST ½ MILE; THENCE NORTH 1½ MILES. ALL ROADS ARE OPEN YEAR ROUND AND ARE QUALIFIED TO ACCOMODATE ALL FORMS OF VEHICLES AND HEAVY EQUIPMENT.

BOTH THE MOAB AND MONTICELLO MILLS CAN BE REACHED WITH A MINIMUM HAULAGE COST. THE MONTICELLO MILL IS TWENTY-SIX MILES FROM THE CLAIM AREA AND THE MOAB MILL IS EIGHTY MILES FROM THE CLAIM AREA. ONLY FOURTEEN MILES OF NON-PAVED ROAD EXIST TO THE TWO SHIPPING POINTS.

4. (E) ALL NECESSARY MINING SUPPLIES AND CORE DRILL SUPPLIES CAN BE OBTAINED FROM MOAB OR MONTICELLO, UTAH. ABUNDANT MANPOWER CAN BE OBTAINED FROM THE MOAB-MONTICELLO-DOVE CREEK GENERAL AREA.

THERE ARE NUMEROUS RESERVOIRS IN THE IMMEDIATE CLAIM AREA; HOWEVER, THE TEN ASSESSMENT WORK HOLES WERE DRILLED WITH AIR. NO CORE WAS TAKEN FROM THESE HOLES, BUT IT IS FELT THAT CORING WITH AIR WILL BE QUITE SATISFACTORY, THEREBY, REDUCING DRILLING COSTS.

5. THE EXPLORATION PROJECT:

(B) AS SHOWN ON THE ACCOMPANYING MAP, EIGHTY-TWO DIAMOND CORE HOLES ARE RECOMMENDED FOR THE EXPLORATORY PROGRAM. THESE HOLES ARE PROPOSED ON A 200 FOOT GRID. IT IS STRONGLY SUGGESTED THAT A LARGER GRID SHOULD NOT BE CONSIDERED DUE TO THE CHARACTERISTICALLY NARROW URANIUM BEARING CHANNELS THAT EXIST IN THE SALT WASH SANDSTONE MEMBER OF THE MORRISON FORMATION.

THE EIGHTY-TWO HOLES WILL HAVE AN AVERAGE DEPTH OF 215.5 FEET WITH A TOTAL FOOTAGE OF 17,670 FEET. THE INDIVIDUAL DEPTHS ARE LISTED AS FOLLOWS:

	TOTAL FEET
8 HOLES AT 150 FEET	1200
16 HOLES AT 170 FEET	2720
26 HOLES AT 200 FEET	5200
17 HOLES AT 250 FEET	4250
8 HOLES AT 275 FEET	2200
7 HOLES AT 300 FEET	2100
TOTAL FOOTAGE	17,670 FEET

TWELVE PERCENT OF THE TOTAL FOOTAGE IS RECOMMENDED FOR CORING; THEREBY ESTABLISHING AN AVERAGE OF 25.8 FEET OF CORING PER HOLE AND 189.7 FEET OF PLUG DRILLING PER HOLE.

THE PURPOSE OF THE PROGRAM IS NOT TO BLOCK OUT ORE, BUT RATHER, TO EXPLORE THE ENTIRE PROPERTY IN ORDER TO UNCOVER ALL FAVORABLE LOCALITIES WHICH CAN LATER BE DEVELOPED BY THE CORPORATION.

THE CLAIM AREA EXEMPLIFIES A N 60 E CHANNEL TREND. THIS TREND IS ESTABLISHED BY CAREFUL STUDY OF THE EAST CANYON, WATERFALL AND SINGLE JACK - LUCKY BOY AREAS. THE DRILLING PATTERN IS DESIGNED TO CROSS-CUT THIS TREND AND PREVENT ANY POSSIBLE CHANCE OF A CHANNEL MEANDERING BETWEEN THE HOLES, WHILE AT THE SAME TIME, EFFICIENTLY EXPLORING THE CLAIMS WITH THE LEAST AMOUNT OF EXPENDITURES.

DRILLING IS NOT RECOMMENDED ON THE BURRO-CANYON (?)-DAKOTA CAP ROCK DUE TO THE EXCESSIVE DRILLING DEPTHS THAT WOULD BE ENVOLVED. HOWEVER, THE CLAIMS STAKED OVER THESE FORMATIONS ARE INCLUDED IN THE APPLICATION SINCE, WITH A CHANNEL TREND OF N 60 E, SHOULD ORE BE ENCOUNTERED AND EXTEND INTO THESE CLAIMS, THE GOVERNMENT WILL BE PROTECTED.

IN ADDITION TO THE PRECEEDING DRILLING FOOTAGES, IT IS REQUESTED THAT A MAXIMUM 200 HOURS OF DOZER WORK BE

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ALLOWED TO CONSTRUCT THE NEEDED DRILL SITES AND ACCESS ROADS FOR THE PROPOSED EXPLORATORY PROGRAM. A SIZE D-6 DOZER OR ITS EQUIVALENT IS SUFFICIENT TO SATISFACTORILY COMPLETE THE WORK.

5. (C) THE PROJECT SHOULD BE COMPLETED IN LESS THAN SIX MONTHS; HOWEVER, AMPLE TIME IS ALLOWED FOR UNFORSEEN DIFFICULTIES AND CIRCUMSTANCES.

(D) THE COMET URANIUM CORPORATION HAS BEEN ACTIVELY ENGAGED IN URANIUM EXPLORATION, MINING AND DEVELOPMENT SINCE THE SPRING OF 1955. HOWEVER, SINCE THE CORPORATIONS CENTRAL OFFICES ARE LOCATED IN WASHINGTON, D. C., THE COMPANY'S ENTIRE URANIUM EXPLORATORY PROGRAMS HAVE BEEN PLACED INTO THE HANDS OF MR. GEORGE R. GRANDBOUCHE, CONSULTING GEOLOGIST, OF MOAB, UTAH. MR. GRANDBOUCHE WILL HAVE COMPLETE CHARGE OF THE ENTIRE PROJECT.

MR. GRANDBOUCHE'S OPERATING EXPERIENCE AND BACKGROUND:
PRESENTLY AN ASSOCIATE OF THE GEOLOGICAL CONSULTANT SERVICE, WAS GRADUATED FROM THE UNIVERSITY OF WISCONSIN WITH A B.S. DEGREE IN GEOLOGY. HE WAS EMPLOYED BY THE ATOMIC ENERGY COMMISSION AS A FIELD GEOLOGIST FOR A PERIOD OF ONE YEAR, DURING WHICH TIME HE WORKED ON DRILLING PROJECTS IN THE SAN RAFAEL SWELL AND INTER-RIVER AREAS, AND ON RECONNAISSANCE IN POISON SPRING, FRENCH SEEP, GREEN RIVER, HENRY MOUNTAINS AND MOAB DISTRICTS. DURING THAT PERIOD HE SUPERVISED THE DRILLING OF 25,000 FEET OF DRILL HOLES. IN 1954, HE ENTERED PRIVATE BUSINESS AS A CONSULTANT GEOLOGIST AND SINCE HAS BEEN RESPONSIBLE FOR NUMEROUS DRILLING PROJECTS TOTALING IN EXCESS OF SEVERAL HUNDREDS OF THOUSANDS OF FEET THROUGHOUT THE COLORADO PLATEAU.

6. ESTIMATE OF COSTS:

(A) ALL DRILLING AND DOZER WORK WILL BE ACCOMPLISHED BY INDEPENDENT CONTRACTS. THE BUSH DRILLING COMPANY, 190 HALL STREET, GRAND JUNCTION, COLORADO SUBMITTED THE LOWEST DRILLING BID OF $2.00 PER FOOT. THIS COST IS BASED UPON THE 215.5 FOOT AVERAGE DEPTH PER HOLE AND INCLUDING

CORING. THE SECOND LOWEST BID WAS SUBMITTED BY PIONEER DRILLING COMPANY OF MOAB, UTAH, AT $2.10 PER FOOT.

MR. IRA HOLIDAY OF BLANDING, UTAH SUBMITTED THE LOWEST DOZER BID AT $9.00 PER HOUR WITH A TD14.

DRILLING -	17,670 FEET OF ROTARY PLUGGING AND CORING @ $2.00 PER FOOT	$35,340.00
DOZER -	FOR CONSTRUCTION OF DRILL SITES AND ACCESS ROADS - 200 HOURS @ $9.00 PER HOUR	1,800.00
(B)	LABOR, SUPERVISION, CONSULTANTS	
	FOR SUPERVISION, CORE LOGGING AND HANDLING, SAMPLE PREPARATION, ACCOUNTING, STENOGRAPHIC WORK, ENGINEERING AND GEOLOGIC STUDIES AND MAPPING AND REQUIRED OFFICE TIME BASED ON FOUR MONTH PERIOD, 15 DAYS PER MONTH, TOTALING 60 DAYS AT $75.00 PER DAY	4,500.00
	ESTIMATED TRAVEL EXPENSES TO PROJECT, 4 MONTH PERIOD	787.20
(C)	30 DURABLE WOODEN CORE BOXES 25 FOOT PER BOX AT $5.75 PER BOX, ONLY FAVORABLE HOLES WILL BE BOXED	172.50
	ASSAYING: BASED ON $6.00 PER HOLE FOR 30 HOLES	180.00
	LOGGING SHEETS: 100 @ $0.30	30.00
(G)	MISCELLANEOUS - SINCE ALL WORK WILL BE DONE BY INDEPENDENT CONTRACTORS, THEY WILL HANDLE THEIR OWN WORKMEN'S COMPENSATION, LIABILITY INSURANCE AND PAYROLL TAXES. ACCOUNTING - 4 MONTHS @ $50.00 P/M	200.00
(H)	CONTINGENCIES - APPROX. 10% OF (B)	450.00
	TOTAL COST	$43,459.70

COMET URANIUM CORPORATION
501 PERPETUAL BUILDING
WASHINGTON 4, D. C.

7. (A) (B) THE COMET URANIUM CORPORATION IS PREPARED TO FURNISH ITS SHARE OF THE PROPOSED EXPLORATORY PROGRAM COST IN ACCORDANCE WITH THE REGULATIONS ON GOVERNMENT PARTICIPATION (SEC. 7, DMEA NO. 1) IN THE FORM OF CASH.

UPON THE GOVERNMENTS ACCEPTANCE OF THIS APPLICATION, THE MONEY REPRESENTING COMET'S SHARE OF THE PROJECT WILL BE SENT TO MR. GRANDBOUCHE TO BE DEPOSITED WITH HIS ACCOUNTANT.

George R. Grandbouche
GEORGE R. GRANDBOUCHE
GEOLOGICAL CONSULTANT

Docket
Ellis

May 10, 1957

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4606

Commodity: Uranium

Applicant: Comet Uranium Corporation
501 Perpetual Building
Washington 4, D.C.

Property: Applicant holds an assignment of a quit claim deed with a 5% royalty clause, on a large group of some 94 claims. Applicant applies for aid on 12 claims known as the Lucky Boy and Single Jack groups in sec. 31, T. 31 S., R. 26 E. and sec. 6, T. 32 S., R. 26 E., S.L.B.M. San Juan County, Utah.

Date of application: January 8, 1957

Amount of application: $43,459.70

Referred to Region III: February 14, 1957

Field Examination made: March 27, 1957

Field Team Report received: May 2, 1957

Work proposed: Bulldoze access roads and drill sites and do approximately 17,670 feet of rotary-plug and core drilling on 8 of the 12 claims; there were all told, 82 holes proposed averaging some 215 feet in depth but ranging 120 feet on the eastern to 600 feet in depth on the western part of the claims. Of the total footage of 17,670 feet, Applicant estimated some 12 percent or 2,120 feet would be cored.

Estimated costs:

Drilling 17,670 feet @ $2.00/ft	$35,340.00
Dozer work 200 hours @ $9.00/hr.	1,800.00
Labor, Supervision, Consultants 60 days @ $75.00/day	4,500.00
Travel Expense	787.20
Supplies	202.50
Assaying 30 holes @6.00/hole	180.00
Accounting 4 months @ $50.00/mo	200.00
Contingencies	450.00
Total Cost .....$	43,459.70
Government participation	32,594.78

Excerpts from Field Team Reports:

The property is situated on a gentle Brushy Basin and Salt Wash slope below a Burro Canyon-Dakota rim east of the rather broad floor of Dry Valley, San Juan County, Utah. The sedimentary formations range in age, in ascending order, from Jurassic Morrison to the Cretaceous Burro Canyon and Dakota.

The property is in an area where known uranium deposits are small and scattered. The few scattered known deposits occur in the upper and middle of three Salt Wash sandstone lenses. The potential ore-bearing sandstones, for the most part, are evenly bedded, relatively thin, and appear to be generally unfavorable for significant ore deposits. The nearest producing mine, now inactive, is Findel Sitton's Liberty mine, two miles northeast of the Applicant's claims. This was a small operation. There has been no ore found or produced from the Applicant's ground. At the present time, there are no active mining or drilling operations going on in the area.

Ten dry non-core holes have been drilled to date (1956) on Single Jack claims Nos. 7, 8 and 9. The Applicant reported slight radiometric count in all ten holes but no ore. The field examiners confirmed these findings by examining the cuttings left at the drill sites.

According to the application "The purpose of the program is not to block out ore, but rather, to explore the entire property in order to uncover all favorable localities which can later be developed by the Corporation." The proposal, therefore, appears to be of a prospecting nature.

The field examiners conclude that the area is not geologically favorable for the occurrence of significant uranium deposits and therefore recommend denial and the Field Team concurs.

Commodity Members' Comments:

Bureau of Mines - James Paone- May 8, 1957.

Mr. Paone agrees with the Field Team's recommendation of denial.

Geological Survey - N. E. Nelson- May 8, 1957.

Property is located in an area where known uranium occurences are few, small, and scattered. While seven miles

to the northwest there are at least three fairly important mines, six smaller mines nearer subject property produced only 1,078 tons of ore through December, 1956; these latter mines are more indicative of the potential of Applicant's property. Two DMEA applications on ground two to four miles to the east and northeast were denied. Concurs with the field men that the results of the Applicant's drilling and the inferred lack of favorability justify a recommendation of denial.

Conclusion and Recommendation:

Applicant's property is located in an area where known uranium deposits are small and scattered and mineralized geologically favorable trends are not apparent. This Division concurs in recommending that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

DMEA Form 7
(12-56)

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Date	Surname	Code
5/13	Ellis	700
5/13	Selfridge	130
	Lamb	
	Kiilsgaard	
5/13	Johnson	110
"	Mittendorf	100
		220

MAY 13 1957

Mr. Paul L. Badger, President
Comet Uranium Corporation
501 Perpetual Building
Washington 4, D. C.

Re: Docket No. DMEA-4606 (Uranium)
Single Jack and Lucky Boy Claims
San Juan County, Utah

Dear Mr. Badger:

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

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

Careful study of all our information indicates that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

EWEllis/izm (Knouse)
cc to: Mr. Knouse
Admr.'s Reading File
Operating Committee
THKiilsgaard, Rm. 5224
DMEA FT Reg. 3 (2)

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"	Ellis (Kyhnes)	700

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

Date May 8, 1957

DMEA Docket No. 4606
DMEA Contract No.
Commodity Uranium
Name of applicant Comet Uranium Corporation
Name of property Single Jack and Lucky Boy Claims
Location of property San Juan County, Utah
Estimated cost of project $43,459.70

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: 4/30/57. 2. Date received by reviewer: 5/6/57

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 meriting 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 ☒
      i. Consult with Mr. _____ at _____ AEC office.
   e. Disagree with Field Team ☐
   f. Suggest alternate plan ☐
   g. Request another examination ☐
   h. Approval ☐

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

IN REPLY REFER TO:

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

May 8, 1957
Re: DMEA 4606
Comet Uranium Corp.
Single Jack and
Lucky Boy Claims
San Juan County, Utah
$43,459.70 - uranium

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

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

The applicant requested assistance in exploring, by drilling, 17,670 feet, 12 contigious claims.

Ten holes have been drilled on the property, all of which, as reported by the applicant, are mineralized but not one is an ore hole.

The property is located in an area where known uranium occurrences are few, small, and scattered. To the northwest 7 miles, are important mines, the Waterfall, Wilson, and Frisco, credited with a production of 35,000 to 55,000 tons through 1956. Nearer small mines, 6 in number, had produced a total of 1,078.17 tons through December, 1956. The records of the 6 small mines are taken by the examiners as more indicative of the potential of the referenced property than those of the larger mines. No ore has been produced on the applicant's property. The nearest mine, Liberty, produced 380 tons of ore. Two applications on ground two to four miles to the east and northeast were denied.

The examiners and the Field Team conclude the results of the applicant's drilling and the inferred lack of favorability justify a recommendation of denial of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

224 New Customhouse
Denver 2, Colorado

April 30, 1957

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Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4606 (Uranium) Comet Uranium Corporation (Single Jack and Lucky Boy Claims) San Juan County, Utah

Enclosed are the original and three copies of the Joint Report of Examination on the subject property by M. H. Salsbury, USBM, and W. B. Gazdik, 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 program be denied to which the Field Team concurs.

E. N. Harshman

By E. N. Harshman
Acting Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
5/6/57
(date)

ON-SITE EJOM. REPORT

DMEA

DEPARTMENT OF THE INTERIOR

APR 29 1957

REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
P. O. Box 360
Junction, Colorado

MINERAL DEPOSITS
DMEA
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APR 29 1957
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

IN REPLY REFER TO:

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DMEA
RECEIVED

DATE	INITIAL	CODE

April 26, 1957

Memorandum

To: Acting Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman
J. F. Shaw

From: J. William Hasler

Subject: Transmittal of a joint engineering and geologic report on the Single Jack and Lucky Boy claims of Comet Uranium Corporation, DMEA docket No. 4606, San Juan County, Utah

Enclosed are 12 copies of a joint engineering and geologic report of examination on the Single Jack and Lucky Boy claims, by W. B. Gazdik, U. S. Geological Survey, and M. H. Salsbury, U. S. Bureau of Mines.

The Comet Uranium Corporation, 501 Perpetual Building, Washington, D. C., applied for Government assistance through the Defense Minerals Exploration Administration to explore for the above-named claims in the South Lisbon Valley area, San Juan County, Utah. The application was referred to the field and an examination was made on March 27 by a DMEA examining team, accompanied by Mr. George R. Grandbouche, a consulting geologist of Moab, Utah, who represented the applicant.

The applicant's property is considerably south of the actual Lisbon Valley ore deposits and is located in an area where known uranium deposits are small and scattered and mineralized geologically favorable trends are not apparent in the area. The few scattered deposits occur in the upper and middle of three Salt Wash sandstone units of the Morrison formation of Jurassic age. These potential ore-bearing sandstones are, for the most part, evenly bedded, relatively thin, and appear to be unfavorable for the occurrence of ore deposits of any significant size. It is, therefore, recommended that the application be denied. I concur with the conclusions and recommendations of the examining team.

Personnel of the Atomic Energy Commission were consulted relative to the appraisal of the property.

Accompanying the report are figures 1 and 2 for inclusion in the report.

TRANSMITTED

APR 29 1957

J. William Hasler
J. William Hasler,
Geologist

Reviewed by
DMEA OPERATING COMMITTEE
5/6/57
(date)

JWH/mlr
Enclosures

FOR UNITED STATES GOVERNMENT USE ONLY

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY EXAMINING TEAM
REGION III

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RECEIVED MAY 2 1957

DATE	INITIALS	CODE

DMEA 4606

Comet Uranium Corporation

Single Jack and Lucky Boy claims

San Juan County, Utah

Uranium

Joint Engineering and Geologic Report

by

M. H. Salsbury
U. S. Bureau of Mines

W. B. Gazdik
U. S. Geological Survey

April 1957

TRANSMITTED
APR 29 1957

Reviewed by
DMEA OPERATING COMMITTEE
5/6/57
(date)

DMEA 4606
COMET URANIUM CORPORATION
SINGLE JACK AND LUCKY BOY CLAIMS
SAN JUAN COUNTY, UTAH

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Joint Engineering and Geologic Report

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ILLUSTRATIONS

Figure	Follows page
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2. Geologic map showing applicant's claims, Comet Uranium Corporation, San Juan County, Utah	12

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DATE	INITIALS	CODE

DMEA 4606
COMET URANIUM CORPORATION
SINGLE JACK AND LUCKY BOY CLAIMS
SAN JUAN COUNTY, UTAH

INTRODUCTION AND SUMMARY

The Comet Uranium Corporation, 501 Perpetual Building, Washington, D. C., applied for Defense Minerals Exploration Administration assistance to explore claims located in the South Lisbon Valley area, San Juan County, Utah, on January 17, 1957. The proposed project calls for 17,670 feet of drilling 12 percent, or 2,120 feet, of which would be cored, in 82 holes on north-south fences covering claim areas where maximum drilling depths would average 300 feet. The estimated cost was $43,459.70 in which Government participation at 75 percent would be $32,594.78.

The property was examined on March 27, 1957 by a DMEA examining team consisting of W. B. Gazdik, U. S. Geological Survey, and M. H. Salsbury, U. S. Bureau of Mines, accompanied by George R. Grandbouche, consulting geologist, Box 862, Moab, Utah, who represented the applicant.

The applicant's property is located in an area where known uranium deposits are small and scattered. Mineralized and geologically favorable trends are not apparent in the area. The few scattered deposits occur in the upper and middle of three Salt Wash sandstone lenses. The potential ore-bearing sandstones, for the most part, are evenly bedded, relatively thin, and appear to be generally unfavorable for significant ore deposits.

Denial of the application under Docket No. 4606 is recommended.

ACKNOWLEDGMENTS

Data on the property and the proposed DMEA project were furnished in a report by George R. Grandbouche which accompanied the application. An unpublished Atomic Energy Commission report is available (T. M. No.70, "Reconnaissance of the Salt Wash deposits in Little Valley and South Lisbon Valley" by Otis McRae, June 16, 1955). The area is also discussed in an unpublished Union Mines Development Company report (R.M.O. 470, "Report on the Monticello (Dry Valley) district, Green River Desert area, Utah-Colorado", by H. K. Kirkpatrick, 1944).

Reports of examination under Dockets No. DMEA 3844, and DMEA 3663 on properties a few miles northeast of the applicant's claims were utilized. Personnel of the Geological Survey familiar with the area were consulted. Production data on the nearest mining operations were obtained from Atomic Energy Commission records.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The property of the Comet Uranium Corporation is located on a gentle Brushy Basin and Salt Wash slope below a Burro Canyon-Dakota rim east of the rather broad floor of Dry Valley, San Juan County, Utah. The claims are reached by traveling 12 miles east from Monticello, Utah on surfaced highway Utah 160, thence 12 miles north on graded county roads, thence over 4 miles of access road. Limited stocks of mining supplies are obtainable in Monticello. More complete stocks are

available at Grand Junction, Colorado, 176 miles by surfaced highways from Monticello. The logical market for uranium-vanadium Salt Wash ores in this area is the treatment plant at Monticello, Utah, although shipments to plants at Uravan, Naturita and Durango, Colorado are possible.

There are no unusual problems of supply, water, power, labor, transportation, or ore marketing.

The proposed drilling areas are on easily accessible brush and pinon covered slopes at altitudes around 6,500 feet. The climate is arid and generally mild, but subject to violent storms of short duration at any season. Year around operations on surface are feasible in normal years, subject to poor road conditions following storms and thaws.

HISTORY AND PRODUCTION

Mining has been carried on in the general area since World War I. However, the larger mines in the area, the Waterfall, Wilson, and Frisco groups are 7 miles or more north of the applicant's property. The nearest producing mine, now inactive, is Findel Sitton's Liberty mine, 2 miles northeast of the applicant's claims. This was a small operation, and there are several other small ones, 2 to 4 miles farther north, which have been carried on intermittently. For the

last half of 1956, the only mine in operation was the Bench No. 1. The applicant mentions a Queen Bee mine as a producer but there is no record of this in the period 1953-1956.

Following is the production from the mines nearest the applicant's property as obtained from the Atomic Energy Commission records through December 31, 1956.

Claim	Dry Tons	Content % U_3O_8	Content % V_2O_5
Liberty	380.62	0.26	2.23
Queen Mary No. 1	30	0.38	?
Queen Mary No. 2	44	0.38	?
Queen Mary No. 3	48	0.26	1.52
Bench No. 1	552.62	0.24	1.19
Bench No. 2	31.93	0.27	1.28

The production from the Waterfall, Wilson, and Frisco groups, about 7 miles to the northwest, is estimated at 25,000 to 45,000 tons through 1944, and 10,000 tons of ore averaging 0.22 percent U_3O_8 and 1.67 percent V_2O_5 between 1944 and 1956. This tenor of ore is not necessarily existent in possible deposits in the immediate vicinity of the applicant's claims.

There has been no ore found or produced from the applicant's ground.

OWNERSHIP AND EXTENT

The applicant owns a large group of claims out of which the following claims are included in the proposed project:

Claims	Book	Page	Date of Original location
Single Jack Nos. 5 thru 11	23	148-151	March 29, 1953
Lucky Boy Nos. 1 thru 5	53	12-14	January 10, 1954

The applicant states that all the claims were located originally by E. R. Brown of Dove Creek, Colorado, but according to the courthouse records at Monticello, Utah, Brown located only the Single Jack claims. They were recorded on April 3, 1953. The Lucky Boy claims were located by J. R. Kuykendall on January 10, 1954 and recorded on January 29, 1954, in Book 53, pages 12-14. This corresponds to the book and page numbers quoted by the applicant. Amended locations by Kuykendall on the Lucky Boy claims were filed on June 1, 1954 in Book 103, pages 282-286; AEC lease applications were filed on the same day; amended locations were filed by Kuykendall on October 6, 1954 in Book 205, pages 289-293. Although no record of a transaction was found in a brief search of the courthouse records, Kuykendall evidently transferred the Lucky Boy claims to E. R. Brown because an agreement between Brown and two other individuals, Walter B. Snyder and R. J. Fellmuth of Monticello, Utah,

provided for the sale to the latter of a large number of claims, including the Single Jack and Lucky Boy groups. It was recorded in Book 173, page 368 on October 7, 1955.

The application on the subject docket was accompanied by copies of two agreements between Snyder and Fellmuth and Paul L. Badger covering transfer of claims to the latter, and an assignment from Badger to the Comet Uranium Corporation. These documents were not in the copy of the brochure sent the Grand Junction DMEA office. The courthouse records contain an assignment from Badger to the Comet Uranium Corporation in Book 158, pages 6-9, on February 26, 1957.

The ownership situation is complicated by the existence of another series of at least 254 locations called the Bob claims, some of which were located by R. J. Fellmuth and some by Walter B. Snyder. The Bob claims have all been recorded. Some of these claims have been staked over the Single Jack claims. A location notice for the Bob No. 214, located by Walter J. Snyder on August 31, 1954, was found at the discovery monument for Single Jack No. 8 claim and the descriptions given for the two claims by metes and bounds are identical. The Bob No. 214 was recorded on September 29, 1954 in Book 201, page 6. It appears that the Bob claims are all later than the other locations and probably not valid, but the reason for their being staked by the same men who acquired the earlier claims from Brown is not clear. The applicant's representative was not aware of the existence of the Bob claims and did not have an explanation.

Apparently through error, the location notices for the Single Jack claims were posted at the wrong (east) end of the claims. The claims appeared to be properly laid out as shown on the applicant's map. The common south corner of sections 31 and 32, T. 31 S., R. 26 E., was found and the claim corners nearest to it were checked and found to be as represented.

Production from the claims is subject to a royalty of 5 percent payable to E. R. Brown and 3 percent payable to Snyder and Fellmuth.

Because of the negative decision on the proposed DMEA project to be recommended, the apparent claim conflicts were not investigated further, and the applicant's representative was not asked to furnish additional data.

PRESENT STATUS

Exploration and Development

Exploration on the property to date has consisted of ten dry, non-core holes drilled on the Single Jack claims Nos. 7, 8, and 9 in 1956. One hole is reported to have been drilled entirely through the Salt Wash member. The other nine holes were bottomed below the uppermost sandstone unit of the Salt Wash member. The applicant reports slight radiometric count in all ten holes but no ore. Examination of the cuttings left at the drilling sites confirms this

evaluation. Selection of the area to be drilled was not made on the basis of any known trends of mineralization, or in relation to Salt Wash outcrops to the east, but was chosen as the first step in a plan to drill the entire claim area where drilling sites could be prepared at reasonable cost and drilling depths would not be excessive.

Mining and Milling Equipment and Other Facilities

The applicant does not own any exploration equipment. Previous work on the property has been done by contract.

GEOLOGY AND ORE DEPOSITS

The rocks exposed in the vicinity of the applicant's claims are sedimentary formations that range in age from Jurassic to Cretaceous and dip about 1 to 2 degrees southwest. In ascending order these formations consist of the Jurassic Morrison and the Cretaceous Burro Canyon and Dakota. The Lucky Boy group lies largely on the Burro Canyon-Dakota outcrop while the adjoining Single Jack claims are located mostly on the Morrison formation (fig. 2).

The Morrison formation, which elsewhere contains significant uranium deposits is divided into the Salt Wash member and the overlying Brushy Basin member. Drilling depths to the top of the uppermost Salt Wash sandstone are estimated to range from 120 feet on the eastern to 600 feet on the western part of the claims.

The Salt Wash member in the vicinity of the Lucky Boy and Single Jack claims is about 250 feet thick and consists of fluvial sandstone, mudstone and siltstone. Generally, three broadly lenticular sandstone beds are present in the area. The uppermost sandstone unit, which the applicant proposes to explore, does not crop out on the claims. However, drill hole data supplied by the applicant, and a detailed examination of the sandstone where it crops out about 1½ miles northeast of the claims, indicate that the sandstone is geologically unfavorable for significant ore deposits. It is light red to light gray, evenly bedded, fine- to medium-fine grained and varies in thickness from 14 to 30 feet. Mudstone in contact with the sandstone is predominantly red or brown. In contrast, ore-bearing sandstone beds in the Slick Rock district, 8 miles to the east, that contain major ore deposits are commonly 40 or more feet thick, strongly cross-bedded, contain abundant scour and fill features and include relatively large amounts of gray-green mudstone and carbonaceous material.

Known ore deposits in the general vicinity of the claims are characteristically small and scattered. The nearest mine, on the Liberty claim, produced 380 tons of ore. It is located about 1½ miles northeast of the applicant's property (fig. 2). The ore was produced from a small deposit localized in the middle Salt Wash sandstone.

Subsequent exploratory drilling by the Carpenter Drilling Company failed to extend the limits of mineralized ground. Production from other properties in the general vicinity varied from 30 to 550 tons. At the present time, there are no active mining or drilling operations going on in the area. Two properties, about 2 miles northeast of the subject claims, were examined under DMEA 3663 and 3844. These applications for DMEA assistance were denied because of the unfavorable nature of the Salt Wash sandstone (fig. 2). A report of examination (DMEA 4639) recommending denial is currently being prepared on the Bench group of claims, 3 miles north of the Lucky Boy-Single Jack claims because the chances of finding significant deposits in this area is considered poor.

ORE RESERVES

There are no known ore reserves on or in the vicinity of the property.

PROPOSED EXPLORATION

The applicant has proposed drilling exploration covering most of the Single Jack Nos. 5, 6, 7, 8, 9, and 10 claims, and small areas on the Single Jack No. 11 claim and the Lucky Boy No. 3 claim. This comprises all of the claim area below the Burro Canyon-Dakota rim.

There are 82 holes proposed in a first stage laid out in north-south fences, 200 to 400 feet apart with holes in the fences 200 feet apart. No reason is given for the variation in the spacing of fences.

The applicant estimates that the 82 holes would require 17,670 feet of drilling of which 12 percent, 2,120 feet, or 25.8 feet per hole, would be cored. Average plug-drilling depth is 189.7 feet. The applicant's estimated cost, based on low bids for drilling and bulldozing, is $43,459.70. Government participation at 75 percent would be $32,594.78. Copies of the bids from which the applicant chose the unit costs used in the estimate were not furnished.

The proposed drilling pattern is not based on any known mineralized trends or channels crossing the property, but is planned to explore the entire claim area where the drilling depths are not excessive. The applicant assumes that possible channels will trend N. 60° E., quoting the brochure (p. 11) "The purpose of the program is not to block out ore, but rather to explore the entire property in order to uncover all favorable localities which can later be developed by the corporation". The proposal, therefore, appears to be prospecting to locate possible favorable ground.

Because of the decision to be recommended, the examining team did not ask the applicant to furnish material confirming the bids received from drilling contractors, and no revision of the proposed exploration is suggested.

CONCLUSIONS AND RECOMMENDATIONS

From examination of the exposures of Salt Wash sandstones east and northeast of the subject property, and from the results of the small amount of drilling done by the applicant, it is concluded that the area is not geologically favorable for the occurrence of significant uranium deposits. Examination of the nearest mine workings and data assembled for Dockets No. DMEA 3844 and 3663, which were denied, tend to confirm this appraisal. The nearest mines are on the fringe of the Uravan minerals belt and ore deposits found to date have been small, erratic and generally unprofitable. The present application covers ground which is still further from the Uravan mineral belt. Discovery of minable ore deposits as a result of the proposed exploration is believed to be unlikely and denial of the application under Docket No. DMEA 4606 is recommended.

U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
APRIL 1957
DOCKET 4606

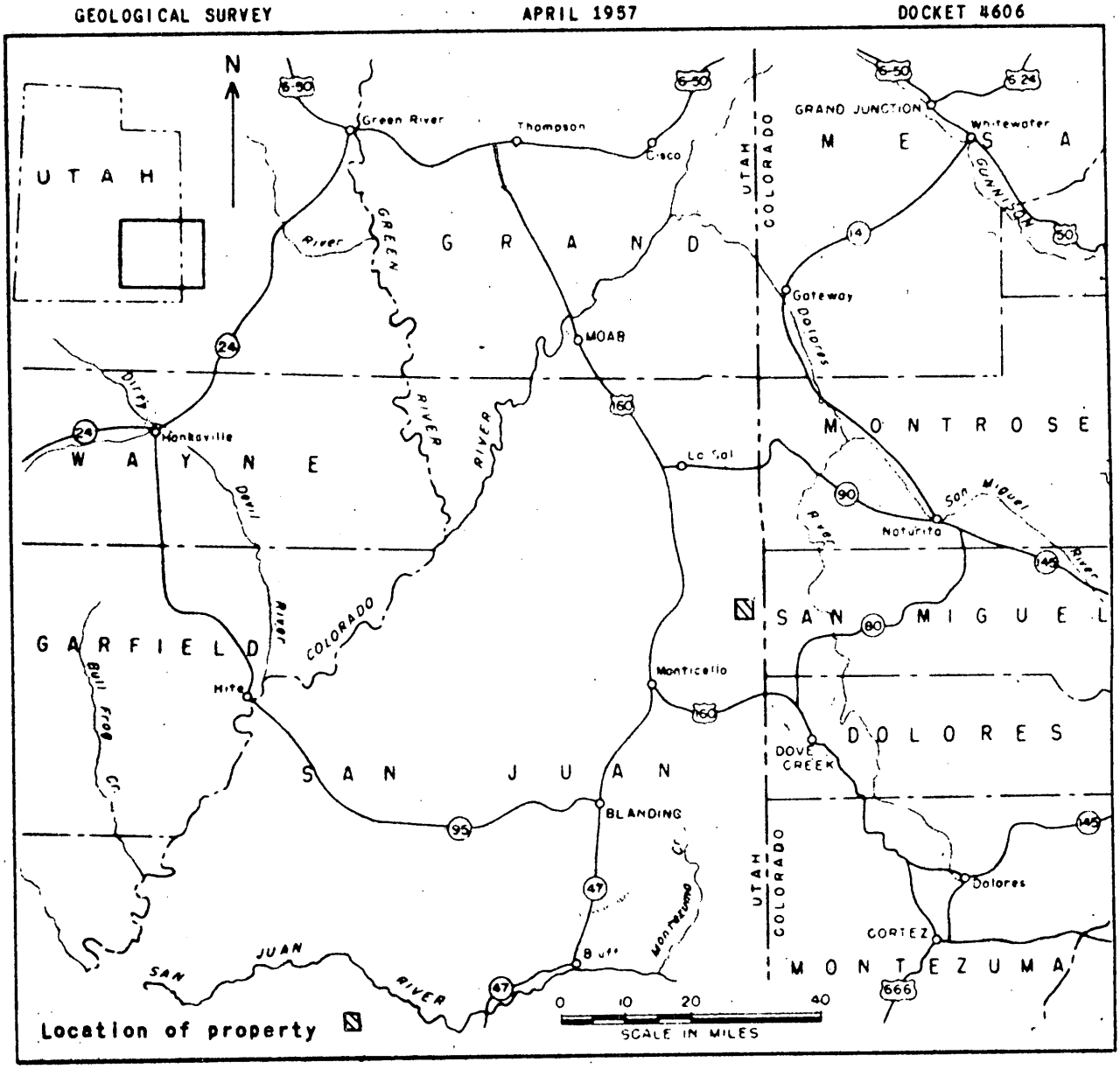

FIGURE 1.--LOCATION MAP, SINGLE JACK AND LUCKY BOY CLAIMS, COMET URANIUM CORPORATION, SAN JUAN COUNTY, UTAH.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
APRIL 1957
DOCKET 4606

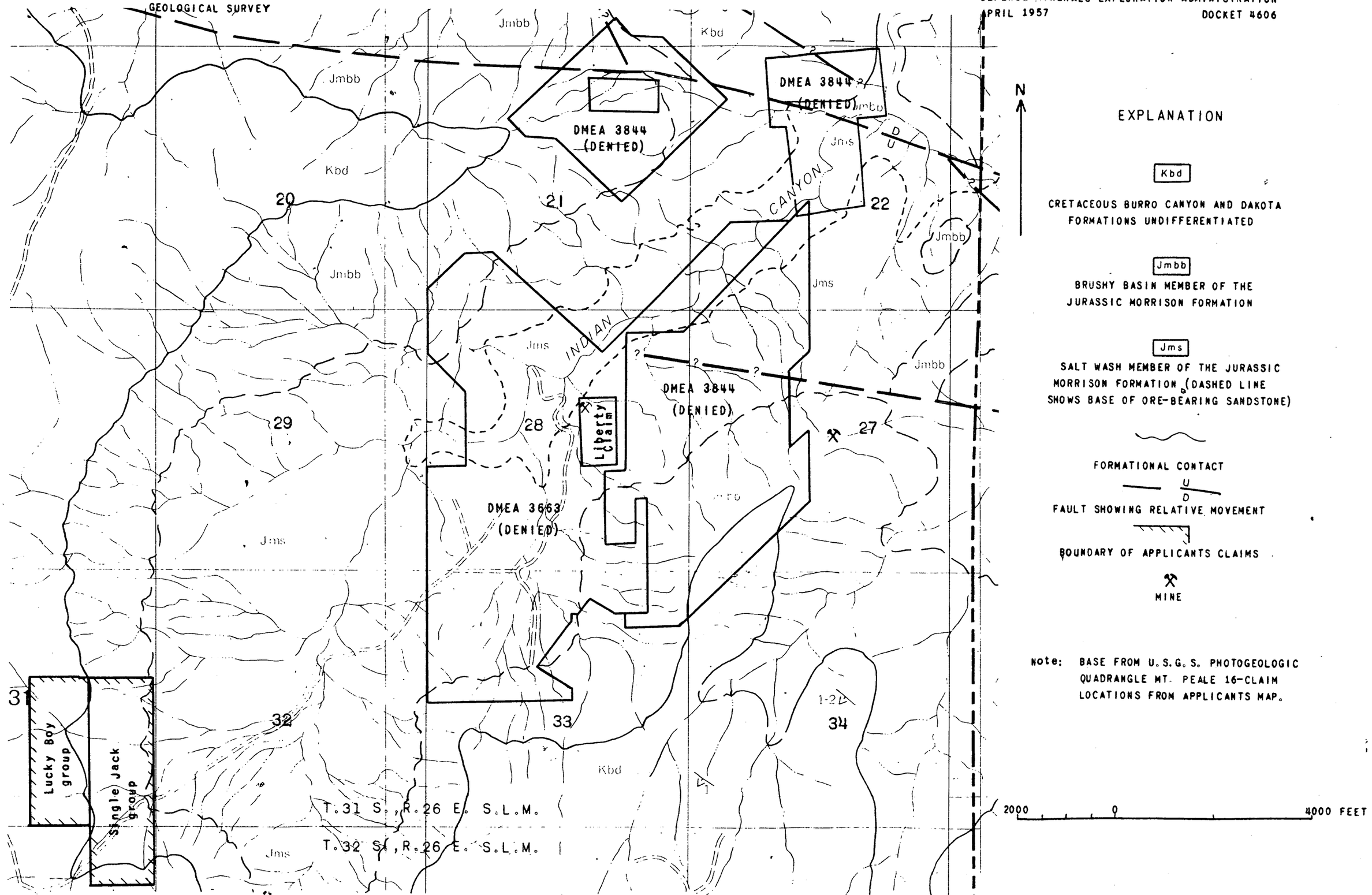

FIGURE 2.--GEOLOGIC MAP SHOWING APPLICANTS CLAIMS, COMET URANIUM CORPORATION, SAN JUAN COUNTY, UTAH.

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RECEIVED APR 29 1957

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"	~~Ellis~~	700 (Kearns)

224 New Customhouse
Denver 2, Colorado

April 25, 1957

Mr. Paul L. Badger, President
Comet Uranium Corporation
501 Perpetual Building
Washington 4, D. C.

Re: Docket DMEA-4606 (Uranium)
Comet Uranium Corporation
(Single Jack and Lucky Boy claims)
San Juan County, Utah

Dear Mr. Badger:

Your letter of April 23, 1957, requested information on the current status of your application for exploration assistance.

I have been informed by our Grand Junction office that the report on your property should be completed this week. It will be forwarded to Washington immediately upon receipt in this office, and the Administrator will notify you directly regarding his decision.

Very truly yours,

Original signed by
E. N. HARSHMAN

E. N. Harshman
Acting Executive Officer
DMEA Field Team, Region III

ENH:jy
cc: Sec. Op. Comm. (2)
Hasler
Shaw (2)
Harshman
Docket 4606
Chron.

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"	Krause	700

February 20, 1957

Memorandum

To: W. M. Traver, ~~Executive Officer~~, DMEA Field Team, Reg. III

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4606 (Uranium) Comet Uranium Corporation (Single Jack and Lucky Boy claims) San Juan County, Utah

The application for Comet Uranium Corporation, Docket DMEA 4606 in the amount of $43,459.70 was received in this office on February 20, 1957.

A field examination will be made and suitable report prepared by an engineer from the Denver or Grand Junction office.

W. E. KING

W. E. King

cc W. M. Traver (2)
E. N. Marshman
J. W. Haeler
M. E. Salsbury
J. F. Shaw

DMEA
DEPARTMENT OF THE INTERIOR
FEB 20 1957
REGION III
DENVER, COLORADO

See (2)

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2/21	[illegible]	700

224 New Customhouse
Denver 2, Colorado

February 19, 1957

Memorandum

To: W. H. King (2)) w/copy of application, Chm's.
J. W. Hasler) letter and memoranda

From: DMEA Field Team, Region III

Subject: Docket DMEA-4606 (Uranium) Comet Uranium Corporation (Single Jack and Lucky Boy claims) San Juan County, Utah

Enclosed are a copy of the subject application in the amount of $43,459.70, its transmittal to the Executive Officer from the Chairman, Operating Committee, and review memoranda by James Paone, USBM, and N. E. Nelson for W. P. Williams, USGS. A field examination and suitable covering joint Report of Examination are requested.

Only one copy of Item 3 mentioned in the Chairman's letter were furnished, and they are included with the Bureau of Mines' copy of the application. It is, therefore, essential that this complete copy of the application be returned intact with your Report of Examination in order to keep our files complete.

In the event a project is to be recommended, please advise in advance in order that this office can proceed to obtain the required Forms MF-205.

DMEA Field Team, Region III

Original signed by
W. M. TRAVER

By W. M. Traver
Executive Officer

Enclosures

WMT:jy
cc: Sec. Op. Comm. (2)
Docket 4606) w/copy of Chm's. letter
Harshman) and memoranda
Chron.

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2/12	Kearney	700
"	[illegible]	700
2/13	Selfridge	130
"	Johnson	110
"	Christenson	100
2/14	C	220
		700

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

FEB 14 1957

Re: Docket No. DMEA-4606 (Uranium)
Comet Uranium Corporation
Single Jack and Lucky Boy Claims
San Juan County, Utah

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or the Field Team's recommendations based on available information.

Enclosed are copies of memoranda, dated January 25 and 29, 1957, by James Paone, USGS, and H. B. Nelson, USGS, respectively, relating to the proposed project. Also enclosed for the use of the Field Team are the following:

1. Two copies of the application with attachments;

2. Three copies of a letter, dated January 31, 1957, from the Applicant;

3. One copy each of the following:

   (a) Assignment of Quit-Claim Deed, dated January 29, 1957, from Paul L. Badger to the Applicant;

   (b) Agreement, dated April 15, 1955, between Walter B. Snyder, R. J. Fellmeth, and Paul L. Badger;

   (c) Agreement, dated December 13, 1954, between Walter B. Snyder, R. J. Fellmeth, and Paul L. Badger; and

4. Three copies each of a letter, dated January 31, 1957, from George R. Grandbouche, and a map entitled "Drill Map, Single Jack-Lucky Boy Claims, South Lisbon Valley, San Juan Co., Utah."

I for W. P. Martin

8623

If the Field Team recommends an exploration project we will require, in addition to the usual information, a Consent to Lien and Subordination Agreement executed by Walter B. Snyder and R. J. Fellmeth covering all the claims listed in the application.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

FIKnouse/gla
2-12-57

cc to: Admr.'s Reading File
Operating Committee
Code 700
Mr. Knouse
T. H. Kiilsgaard, 5224
Jack Kratchman, AEC

APPROVED:

Frank D. Lamb (GCS)
Member, Bureau of Mines

N. E. Nelson (GCS)
Member, Geological Survey

DMEA Form 7
(12-56)

700

OFFICIAL FILE COPY

Date	Surname	Code
2/12	Knouse	700
"	[illegible]	700
2/13	Selfridge	130
"	[illegible]	110
"	Mittendorf	100
		220

700

FEB 14 1957

Mr. Paul L. Badger, President
Comet Uranium Corporation
501 Perpetual Building
Washington 4, D. C.

Re: Docket No. DMEA-4606 (Uranium)
Single Jack and Lucky Boy Claims
San Juan County, Utah

Lamb
Nelson

Dear Mr. Badger:

Your letter of January 31, 1957, enclosing two copies of an Assignment of Quit-Claim Deed, dated January 29, 1957, has been received. We will require the purchase agreements, which you furnished, to process your application. The application is now being referred to Mr. W. M. Traver, Executive Officer, DMEA Field Team, Region III, 224 New Customhouse Building, Denver 2, Colorado, for further consideration and possibly a field examination.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FIKnouse/gla
2-12-57
cc to: Admr.'s Reading File
Code 700
Mr.Knouse
DMEA Field Team, Region III (2)

8623

DMEA 4606

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 8 1957

DATE	INITIALS	CODE
2-8	C	220
2-8	[illegible]	700

JANUARY 31, 1957

MR. PAUL L. BADGER, PRESIDENT
COMET URANIUM CORPORATION
501 PERPETUAL BUILDING
WASHINGTON 4, D. C.

DEAR PAUL:

I AM EXTREMELY SORRY FOR THE DELAY IN REPLY TO YOUR LETTER OF JANUARY 18, BUT HAVE BEEN TIED UP UNAVOIDABLY. IT IS HOPED THAT THIS LETTER AND THE ENCLOSED DATA WILL ENABLE YOU TO START YOUR APPLICATION WITHOUT FURTHER DELAY.

IN REFERENCE TO THE RADIOMETRIC LOGS; THERE WERE NO RADIOMETRIC LOGS TAKEN AS SUCH. IT WAS NOT INTENDED TO IMPLY THAT A HIGH DEGREE OF RADIOMETRIC READINGS EXISTED. THERE WAS, AS PREVIOUSLY STATED, A SLIGHT RADIOMETRIC COUNT AT THE SAME STRATIGRAPHIC LEVEL AND ARE ALL MARKED AS ORE HORIZON ON THE ENTERIAL LOGS IN THE REPORT. THIS COUNT WAS OBTAINED BY PROBING THE HOLES WITH A BADGER MODEL 620 GEIGER COUNTER. THE SIGNIFICANCE OF THIS COUNT IS NOT KNOWN. IT MIGHT POSSIBLY MEAN THE FRINGE AREA OF AN ORE BODY, OR MERELY AN ABNORMAL CHARACTERISTIC-BUT, IT IS NOTEWORTHY, PARTICULARLY SINCE IT OCCURS ALL AT THE SAME LEVEL. NO SAMPLES WERE TAKEN BUT A HIGH DEGREE OF CARBON AND LIMONITE WAS ENCOUNTERED AT THIS LEVEL. IT WAS FELT THAT THE MINERALIZATION DID NOT JUSTIFY CHEMICAL ASSAYS.

THE ACCESS ROADS AND DRILL HOLES PRESENT ON THE MAP GIVEN TO LINDSEY WERE ILLUSTRATED TO SHOW THEIR APPROXIMATE RELATIONSHIP. THE DRILL ROADS AND HOLES SHOWN ON THE MAP SUBMITTED IN THE D.M.E.A.

REPORT HAVE ALL BEEN SURVEYED AND ARE, THEREFORE, CORRECT.

IN REGARDS TO THE ROYALTY ERROR, PLEASE DRAW A LINE THROUGH THE 5% AND THE 8% JUST ABOVE. THIS LETTER WILL AUTHORIZE YOU TO PLACE MY INITIALS NEXT TO THE 8%. TO TAKE THE REPORT APART IS IMPRACTICAL. WE USE THE RIVET TYPE REPORT FOR YOUR PROTECTION.

THE PROPOSED DRILL HOLES HAVE BEEN MOVED TO COMPLY WITH THE 100 FOOT BORDER REQUEST OF THE D.M.E.A. OFFICE. THE DIFFERENCES IN THE ESTIMATES AND FOOTAGES INVOLVED IN THE CHANGE ARE NEGLIGIBLE.

THE DRILLING REFERRED TO AS LOCATED "1½ MILES TO THE NORTHWEST" IN THE REPORT IS ON THE KUTRAS CLAIMS OF CONEY'S AND THE SCHOOL MARM CLAIMS ADJACENT.

I BELIEVE THAT THIS COMPLETES THE DESIRED INFORMATION. IF THERE ARE FURTHER QUESTIONS, PLEASE NOTIFY ME AND ALL INFORMATION WILL BE SENT TO YOU.

SINCERELY,

George N. Grandbouche

GEORGE N. GRANDBOUCHE
GEOLOGICAL CONSULTANT

GNG/bek
cc: REVISED MAPS - 5
CARBON COPIES
THIS LETTER FOR
DMEA - 4

Properties:
San Juan County, Utah

Operations Office:
P. O. Box 528, Moab, Utah

COMET URANIUM CORPORATION

501 PERPETUAL BUILDING
WASHINGTON 4, D. C.

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 5 1957

DATE	INITIALS	CODE
2-5	C	220
2-5	Knouse	700

January 31,1957

Mr. F. L. Knouse
Defense Minerals Exploration Administration
Department of the Interior
Washington, D.C.

Re: Comet Uranium Corporation Application
Docket No. DMEA-4606

Dear Mr. Knouse:

Pursuant to your recent request I am enclosing herewith two copies of an Assignment transferring all right, title and interest of the undersigned in the mining claims listed in the said assignment to the Comet Uranium Corporation. The original of this document has been forwarded to the Office of the County Recorder of San Juan County, Utah, for recordation.

I trust that this document will suffice to show for your purposes the chain of title between the previous owners of the subject claims and Comet Uranium Corporation. The role of the writer in the purchase of these properties was that of agent or trustee for the company and it was clearly understood by all concerned that title to the properties would be transferred to the company following its incorporation.

In the event that you will not need the copies of the purchase agreement previously forwarded with our application it would be appreciated if you would kindly return them to us for our files.

We have requested our geologist at Moab, Utah, to furnish the additional amendments requested to our application and are now awaiting his response. As soon as this information is received it will be forwarded promptly to your office.

Thanking you for your kind attention, I am

Sincerely yours,

Paul L. Badger

PLB/b
encl.

2-8-57
Mr. Badger who advised that we would require the purchase agreement to become part of the corporate records therefore.

OFFICIAL FILE COPY
DMEA
RECEIVED JAN 31 1957

DATE	INITIALS	CODE
1-31	C	220
1-31	Ken Ellis	700
	Krome	

Comments Complete

IN REPLY REFER TO:

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

January 29, 1957

Memorandum

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

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

Subject: Review of application, DMEA 4606, Comet Uranium Corporation, Single Jack-Lucky Boy claims, South Lisbon Valley area, San Juan County, Utah.

The applicant proposes to explore for uranium ore deposits in an area near the Waterfall group of mines. The property consists of 12 contiguous, unpatented mining claims.

The proposed work would consist of a total of 82 diamond drill holes, a total of 17,670 feet of drilling, at a total estimated cost of $43,460. The holes would be drilled on a 200-foot staggered grid pattern.

Ten holes have been drilled on the claims. The applicant states only that all were 'mineralized.' It is presumed that none penetrated ore.

The general area in which the claims are located has been considered unfavorable for the presence of ore bodies of significant size. Geologic criteria, including sandstone and mudstone color and grainsize are unfavorable. DMEA 3663, Uranium Chief, Inc., about a mile to the northeast, was denied on the basis of unfavorable host rocks and lack of production in the vicinity. It is highly probable that the field examination report pertaining to DMEA 3663 could be applied with little revision to the subject application.

In my estimation DMEA participation in exploration on the property is not warranted. In fact, this might well be a case where denial without field examination could be justified. I recommend that the Field Team be asked for their comments on the application. Mr. Gordon Weir of the Geological Survey in Grand Junction very likely has specific information about the property. If not, field examination of the Salt Wash outcrops on the property may be necessary.

R. E. Nelson
for W. P. Williams

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DMEA
RECEIVED JAN 25 1957

DATE	INITIALS	CODE
1-25	ew	220
1-25	Ellis	700

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

Date January 25, 1957

DMEA Docket No. 4606
DMEA Contract No.
Commodity Uranium
Name of applicant Comet Uranium Corporation
Name of property Single Jack & Lucky Boy claims
Location of property San Juan County, Utah
Estimated cost of project $43,459.70

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee
From: James Paone, Bureau of Mines Alternate Member JP
Uranium Commodity Committee
Subject: Review of Application
(Application, Field Team Report, etc.)

1. Date of subject document: 1/8/57. 2. Date received by reviewer: 1/17/57.
3. Prior reports on this property known to reviewer: Yes [ ] No [x]
4. Prior reports on nearby properties known to reviewer: Yes [ ] No [x]
5. Information available on past production: Yes [ ] No [x]
6. Other pertinent factors known to reviewer: Yes [ ] No [x]
7. Explain items marked yes above:

8. Factors needing special consideration:
   a. Location [ ]
   b. Ownership [ ]
   c. Evidence of mineralization [ ]
   d. Geology [ ]
   e. Proposed exploration method [ ]
   f. Alternate exploration method [ ]
   g. Costs [ ]
   h. Additional information should be forwarded field team [x]

9. Action advised:
   a. Obtain information from applicant [ ]
   b. Refer to Field Team [x]
   c. Denial [ ]
   d. Agree with Field Team [ ]
   e. Disagree with Field Team [ ]
   f. Suggest alternate plan [ ]
   g. Request another examination [ ]
   h. Approval [ ]
   i. Consult with Mr. _____ at _____ AEC office.

10. Remarks: (Use back of page if necessary) Mr. Jack Kratchman, Washington representative of the Atomic Energy Commission, assisted in the review.

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

January 18, 1957

Comet Uranium Corporation
501 Perpetual Building
Washington 4, D. C.

Subject: DMEA-4606

Gentlemen

Your application for exploration assistance, dated January 8, 1957 submitted to our office at Denver, has been assigned Docket Number DMEA-4606 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,

(Sgd) Allen S. Dakan

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Code 700

6416

U. S. Government Messenger Envelope

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

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

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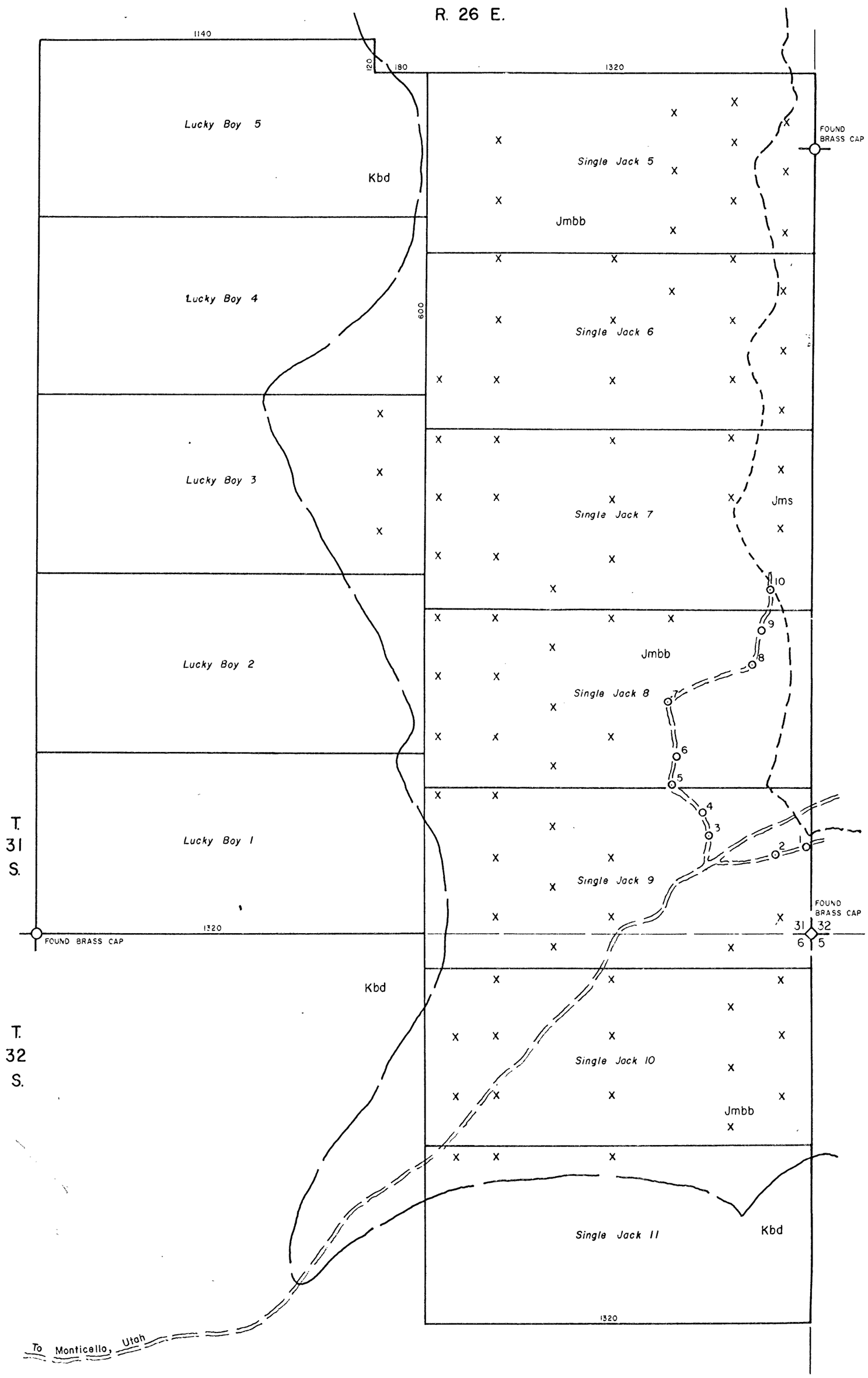


N

EXPLANATION

Kbd	Burro Canyon formation and Dakota sandstone undifferentiated.	
Jmbb	Brushy Basin shale member	Morisson fm.
Jms	Salt Wash sandstone member	Morisson fm.
⊙	Drill Holes	
x	Proposed Holes	

CONTACT
30 foot horizontal error

CONTACT
Greater than 200 foot horizontal error

NOTE: Geology modified after U.S.G.S. Mt. Peale 16 Photogeologic Quadrangle Map.

Map taken from liscense survey plat submitted by Robert E. Brandon, Utah liscense No. 1518.

Drill hole located by stadia plane-table survey.

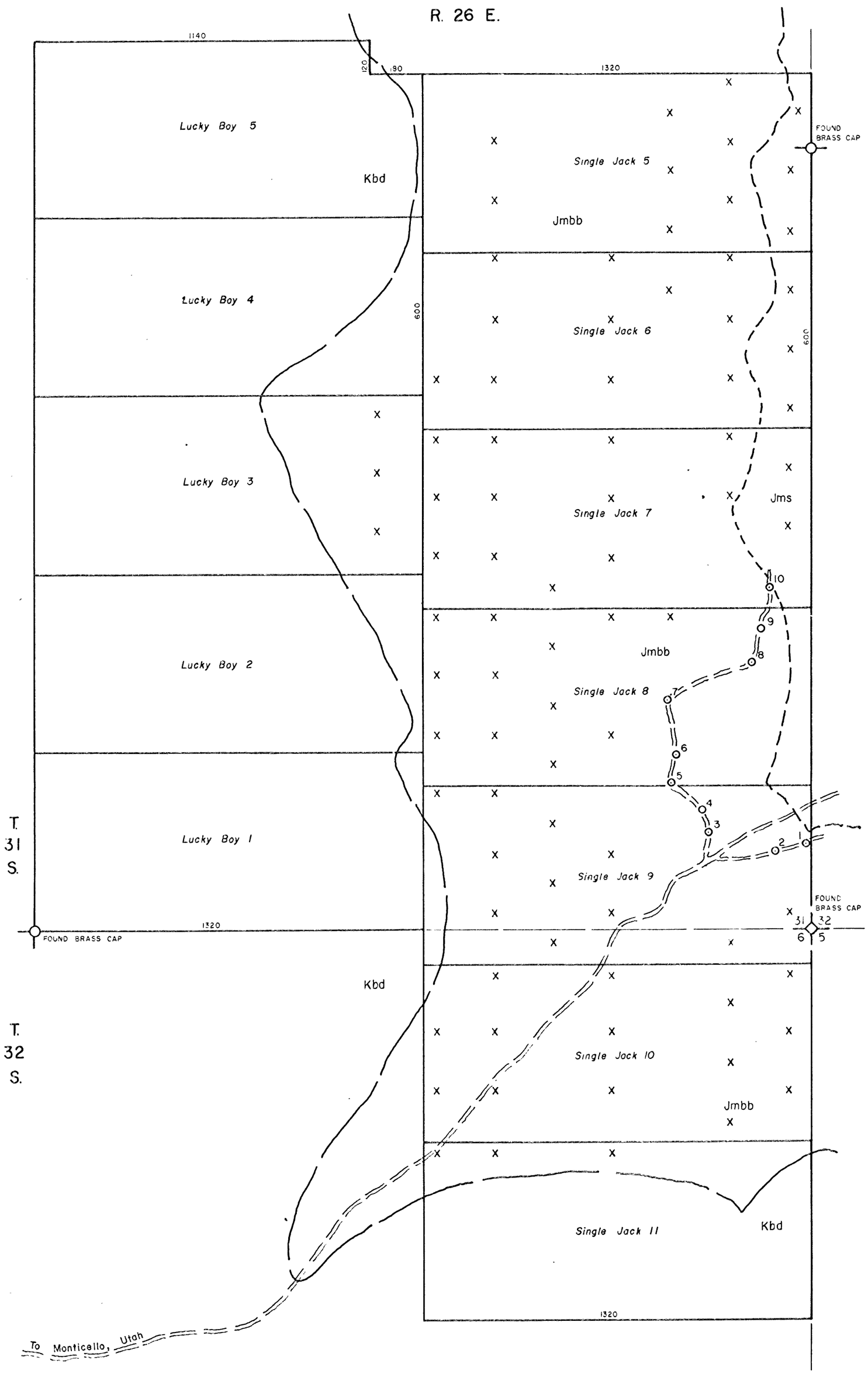
SCALE 1" = 300 FEET

200 100 0 200 400 600 800

Revised Feb. 8, 1959
Geo. R. Grandstaff, Jr. L. V. Thomas,

DRILL MAP, SINGLE JACK-LUCKY BOY CLAIMS, SOUTH LISBON VALLEY, SAN JUAN CO., UTAH

D MEA-4606



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200 100 0 200 400 600 800

DRILL MAP, SINGLE JACK-LUCKY BOY CLAIMS, SOUTH LISBON VALLEY, SAN JUAN CO., UTAH