2/21/55 zgh

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

RECEIVED
FEB 21 1955

224 New Customhouse
Denver 2, Colorado

February 14, 1955

Memorandum

To: Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region III

Subject: DMEA Docket 3652 (Uranium), Uranium Prospectors Company, Emery County, Utah

Enclosed is a copy of a letter from the applicant company requesting that this application be withdrawn. Accordingly we have closed the docket.

W. M. Traver

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Enclosure

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W. M. TRAVER

Enclosure

W. M. Traver

Uranium Prospectors Co., Ltd.

Phone 1529 718 North 5th St.

GRAND JUNCTION, COLORADO

DMEA
Date Rec'd.
FEB 14 1955
BUREAU OF MINES
Denver, Colorado

February 11, 1955

Mr. J. H. Traver
Executive Officer
U. S. Geological Survey
224 New Customhouse Building
Denver, Colorado

Dear Mr. Traver:

It is hereby requested that D. M. E. A. Application No. 3652, which refers to Ace in Hole, Lucky, and Lone Susan claim groups located in the San Rafael Reef District, Utah, be withdrawn. This application was submitted January 11, 1955.

In view of late developments, it is deemed advisable to rearrange several aspects of our exploratory program in the aforementioned area, and incorporate Application No. 3652 into another which shall be forwarded to you in the near future.

Your consideration of our revised application shall be respectfully appreciated.

Very truly yours,

URANIUM PROSPECTORS CO., LTD.

J. E. Publin

for D. C. Deringer
Vice President

JEB/bg

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 24 1955

224 New Customhouse
Denver 2, Colorado

January 21, 1955

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docketing for Exploration Assistance

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

Uranium Prospectors Company, Ltd.
718 North Fifth Street
Grand Junction, Colorado (Uranium)

W. M. Traver

W. M. Traver

Enclosures

II

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 24 1955

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. 3652
Metal or Mineral Uranium
Date Received 1-24-55
Estimated Cost $33,009.40
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Uranium Prospectors Company, Ltd.
718 North Fifth Street
Grand Junction, Colorado
A Colorado Corporation - Incorporated February, 1954

(*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 See attached sheet

(*b*) State any mine name by which the property is known. See attached sheet

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

(*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. See attached copy of lease

(*e*) If you own the land, describe any liens or encumbrances on it Not applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. See 3 (a) or attached copy of lease

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

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. See 4 (a)

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

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

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

See attached sheet

16—66551-1

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

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

(*c*) The work will start within 15 days and be completed within 4 months from the date of an exploration project contract.

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

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.).

(*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.

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

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

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

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

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

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

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

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

(*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.

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 11, 1955

Uranium Prospectors Company, Ltd.
(Applicant)

By S. Birkenmyer
Vice President

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

1 - (a) Uranium Prospectors Co., Ltd.
718 North Fifth Street
Grand Junction, Colorado

(b) A Colorado Corporation - Incorporated Feb., 1954.

(c) Sidney H. Robinson, President, Suite 1613
44 King Street West, Toronto 1, Ontario, Canada.
D. C. Deringer, Vice President, 718 North Fifth Street, Grand Junction, Colorado.
Dr. Ben H. Parker, Secretary, Box 508, Golden, Colo.

(d) Not applicable.

2 - Complied with.

3 - (a) The following claims are included in the application for an exploration contract (see appended claim map):

Name	Entry Number	Recorded in Book	At Page
Ace in the Hole #1	090133	J-21	399
Ace in Hole #2	090134	J-21	400
Ace in Hole #3	090135	J-21	401
Luckey Three #11	089617	J-21	27
Luckey Three #12	089618	J-21	28
Luckey Three #13	089619	J-21	29
Luckey Three #14	089620	J-21	30
Lone Susan #1	091596	J-23	413
Lone Susan #2	091597	J-23	414
Ace in Hole Fractional #1	107625	J-53	393
The South 300 feet only of Ace in Hole Fractional #2,	107624	J-53	392
Lucky Three Fractional #5	110731	J-59	266
Lucky Three Fractional #6	110730	J-59	265
Lucky Three Fractional #7	110729	J-59	264

(Reference to Emery County, Utah, records)

There is an error in the lease which is being corrected. The South 300 feet of Lucky Three Fractions 5 to 7 only were leased, whereas all of these fractions should have been included.

Applicant has leased all the claims shown on the appended claim map. It is possible that mineralization or ore discovered in the drilling may indicate directional trends that will be useful in planning exploration on the Jack Rabbit and Dede claims. However, unless ore is discovered near the boundaries of the Jack Rabbit and Dede claims, it is doubtful if the proposed project will materially benefit other claims leased by applicant.

3 - (b) Lone Susan Nos. 1 and 2, Ace in Hole Nos. 1 to 3 inclusive, Lucky Three Nos. 11 to 14 inclusive, Ace in Hole Fraction 1, Lucky Three Fractions 5 to 7 inclusive, and the south 300 feet only of Ace in Hole Fraction 2; owned and leased to applicant by C. H. and Don C. Snow, and Ervin Olsen.

(c) Lessee.

(d) See appended copy of lease.

(e) Not applicable.

(f) See 3 (a) or attached copy of lease.

4 - (a) There are no mining activities on the property. However, three inclines are being operated by leaseholders on the Four Corners Uranium property just southwest of the claim group (see map), and another is being operated about 1,500 feet west of the center of the claim group. Information from the miners indicates a production of 200 tons per week, or more, averaging 0.40 per cent U_3O_8. These operations have started only recently, and have not reached full production.

Uranium has been mined for about 50 years from the high-grade outcrops in the Salt Wash to the west of the claims.

(b) See 4 (a).

(c) The claim group is situated in the northeast edge of the San Rafael Swell. The San Rafael Swell is a structural dome elongated about 70 miles northeasterly and some 40 miles in maximum width. Erosion has removed most of the uranium bearing formations in the interior of the Swell, but near the edge of the uplift, where the Shinarump or Salt Wash is exposed, important uranium deposits have been developed. Temple Mountain uranium deposits are about 25 miles south of the claims, and the Vernon Pick mine is in the southeast edge of the Swell.

The uranium deposits in the areas adjoining the claims occur in the upper 100 feet of the Salt Wash sandstone member of the Morrison formation (see Section B-B') which dips about 6° easterly. Mineralization is very widespread (see claim map). A hole just east of Lucky 3 Fraction 6, drilled by the Cannon Drilling Company on their own account, penetrated 0.5 feet of 0.72 per cent uranium. Applicant is developing a promising ore body on Jack Rabbit No. 5 claim. Drill hole S-14

4 - (c) in this ore body cut 5 feet of ore which averaged 0.36 per cent U_3O_8. The applicant has just bottomed hole SD-18 on Jack Rabbit No. 2 claim which indicates 5 feet of ore averaging about 1.0 per cent U_3O_8. Drill hole SD-14 on Ace in the Hole No. 1 has not been completed.

Tentative plans are under consideration for driving a central incline from west to east through the center of the Jack Rabbit group and following the lower ore horizon. This incline could be extended to mine ore discovered in the proposed drilling project, either lengthwise or by lateral drifts along the strike (about N. 16° E.). This would obviate sinking a vertical shaft some 600-700 feet to mine ore on the eastern claim group.

It is believed that the drilling program will discover enough ore to justify extension of an incline into the eastern group of claims.

(d) The claim group is reached from Greenriver, Utah, by travelling west on the Salt Lake City paved highway 9 miles, and thence south 7½ miles by fair unimproved dirt road to the claims. Thompson, a uranium buying station is 27 miles east of Greenriver by paved highway, or a total of 34½ miles by road from the claims. A uranium processing plant is proposed for Greenriver. Shipping, supplies, or residence can be obtained at Greenriver. Price, Utah, a town of about 7,000 population is 64 miles from Greenriver by highway.

(e) Miners are available in the general area. Supplies and equipment are available in Greenriver, Price, or Grand Junction. There is no surface water except that caught in reservoirs; however, drilling indicates water may be obtained by a well in the low ground southwest of the claims.

5 - (a) Uranium.

(b) Fourteen holes are proposed for the first stage of drilling (Holes B-1 to B-14 inclusive on plan map). These holes will cut the upper 100 feet of the Salt Wash which it is believed will include all the ore horizons. Seven holes will be non-core and the remaining seven holes will include about 50 feet of coreing in each hole. The first stage drilling will total 9,450 feet in 14 holes.

Six holes totaling 4,050 feet are planned in the second stage drilling to test the continuity of the ore bodies discovered in the first stage of drilling.

5 - (b) Each of these holes will be cored for 50 feet in the ore zones. The second stage of drilling is predicated upon the results of the first stage.

All holes will be probed with the applicants radiometric equipment, and when possible by the A. E.C. scintillation logging truck.

(c) The work will start within 15 days after signing a contract, and be completed within 4 months from such date.

(d) The applicant company was incorporated in February, 1954. It is staffed by experienced mining engineers and geologists. Five men in the organization have worked previously in uranium exploration.

Mr. D. C. Deringer, Vice President, is a graduate of the Colorado School of Mines, and has 30 years experience in the field of mining. During the past ten years he has performed duties as general manager of major mining companies.

Dr. Ben H. Parker, Secretary, is a graduate of the Colorado School of Mines, and has 20 years experience as geologist with major oil companies. He served as President of the Colorado School of Mines for 5 years and 5 years as Vice President of the Frontier Refining Company.

The project will be under the direct supervision of Quentin E. Conklin, formerly Deputy Director, Exploration Division, A. E. C., Grand Junction Operations Office, and Thomas J. Ballard, formerly Staff Mining Engineer, same organization. Other members of the company staff or management will assist or advise as need be.

6 - (a) Independent Contracts

Bulldozer

Roads: 5,000 feet of drill road constructed at rate of 200 feet per hour.

25 hours @ $13.00 per hour $325.00

Drill Sites: Ground does not require site preparation.

Bulldozer Total $325.00

6 - (a) Drilling

First Stage:	14 holes - avg. depth 675 feet	
Non-core:	9,100 ft. @ $1.75	$15,925.00
Core :	350 ft. @ $3.50	1,225.00
Total	9,450 ft. @ $1.81	$17,150.00
Second Stage:	6 holes - avg. depth 675 feet	
Non-core :	3,750 ft. @ $1.75	$ 6,562.50
Core :	300 ft. @ $3.50	1,050.00
Total	4,050 ft. @ $1.88	$ 7,612.50
Total Drilling 20 holes, 13,500 ft.		$24,762.50
Total Independent Contracts		$25,087.50

(b) Labor

(1) Engineer @ $800.00 per mo. Total	$ 3,200.00
(½ time) Geologist $600.00 per mo.Total	1,200.00
(1) Sampler @ $288.00 per mo. Total	1,152.00
	$ 5,552.00

(c) Material

20 Wood Core Boxes @ $2.50	$ 50.00
50 Cloth Sample Bags @ $0.40	20.00
200 Survey Stakes	10.00
800 Gallons Gasoline (2 vehicles)	240.00
Utility Gasoline	12.50
Camp Groceries	1,100.00
Total	$ 1,432.50

(d) Operating Equipment

1 Dodge 1/4 Ton Pickup	$ 1,747.50
1 Willys Station Wagon	2,458.66
(Both owned by Company)	

Note:
Actual operating costs only (covered in Sec. 6 (c), 6 (g)) shall be chargeable to this project. Depreciation excluded.

(e) Not applicable.

(f) None

(g) Miscellaneous

Repair & Equipment Maintenance		
Est. $25.00 per month per vehicle		$ 200.00
Miscellaneous		
Analytical Work:	50 samples @ $6.00	300.00
Accounting :	2 man days per mo. @ $20.00 per day	160.00
Compensation :	$5,552 wages @ $1.65 per $100.00	92.40

6 - (g)	Liability Ins. 2½ employees approx.	$ 60.00
	Payroll Taxes approx.	125.00
	Total Miscellaneous	$ 937.40

(h) No contingencies included.

RECAPITULATION OF PROJECT COST

Independent Contracts	$25,087.50
Labor	5,552.00
Material	1,432.50
Miscellaneous	937.40
TOTAL	$33,009.40

7 - (a) Yes

(b) Money