DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2174

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION LOAN

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

CODE 330

To: ~~Minor and Rare Metals~~ Date

To: Mails & Files Date 2-5-52

To: Date

To: Date

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aec

DO NOT DETACH

CONTROLLED DOCUMENT

J.A.
2-5-52

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

February 5, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 5 1952

Memorandum

To: Mails and Files Branch

From: Ernest Wm. Ellis, Acting Chief
Rare and Misc. Metals Branch

Subject: Richard L. Elwell (Uranium)
Docket No. DMA-2174

On the basis of Mr. Weston Bourret's letter of October 23, 1951, to the applicant, copy of which is in the docket file, and lack of further application for an exploration loan, this file should be closed.

Ernest Wm. Ellis

Ernest Wm. Ellis

400
FILE COPY
SURNAME:

Gordon
Mittendorf

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

NOV 30 1951

Mr. Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Re: Uranium - DMA 2174
Colorado, Utah

Dear Mr. Elwell:

Reference is made to DMA's letter to you of October 23, 1951, regarding your application for an exploration project.

As no reply has been received, we assume that you are no longer interested in an exploration project. Unless we hear from you to the contrary within thirty (30) days, we shall accordingly close your docket.

Sincerely yours,

C. O. Mittendorf (fw) cc 11/30

ACTING Administrator
Defense Minerals Exploration
Administration

bl

ERGordon:lm
11/27/51

cc: Admn. Reading File
Reports and Records
Mr. Keiser, USGS
Mr. Hosted, AEC
Field Team Reg. IV
Docket

330
FILE COPY
SURNAME:

Gordon
Bourret

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

OCT 23 1951

a.E.G.

Mr. Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Re: Uranium-DMA-2174
Colorado, ~~Utah~~

Dear Mr. Elwell:

Your application for an exploration project, DMA-2174, in the sum of $1520.00, has been received by the Minor and Rare Metals Branch.

We regret to advise you that at present there is no program for subsidizing or grubstaking any prospector to search for minerals.

The program of exploration for strategic and critical minerals administered by the Defense Minerals Administration provides for financial assistance on a matching basis, to bona fide owners and lessees of mineral properties. It does not provide for prospecting on property not owned or otherwise controlled by applicant. This is explained in the enclosed copy of press release of May 14, 1951. For your further information we enclose copy of MO-5 as amended.

If you control a property on which you have found definite indications of the presence of strategic or critical minerals, we shall be glad to consider an application for exploration assistance thereon.

Yours very truly,

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals

B.J.
10-23

Enclosure
EGordon/mh 10-22-51
cc: Adm. Read. File
DMA docket file
Minor and Rare Metals
Keiser-USGS
Hosted-USGS
Field Team, IV

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

OCT 23 1951

Mr. Richard A. Elwell
39 Chestnut Street
Boston 8, Mass.

Re: Uranium-DMA-2174
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Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals

Enclosure
EGerden/mh 10-22-51
cc: Adm. Read. File
DM a docket file
Minor and Rare Metals
Keiser-USGS
Hosted-USGS
Field Team, IV

October 19, 1951

Subject: DMA-2174
Re: Exploration

Mr. Richard L. Elwell
39 Chestnut Street
Boston 8, Massachusetts

My dear Mr. Elwell:

This will acknowledge receipt of your application dated October 15, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA-2174 and referred to the Minor & Rare Metals Branch.

Kindly refer to DMA- 2174 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

2463

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

October 15, 1951

DMA-2174

Memorandum

To: Tom Lyon, Chairman
Coordinating Committee

From: Executive Officer
Region VIII

Subject: Richard L. Elwell, Colorado, Utah
(Uranium)

Attached is application on Form MF-103 in quadruplicate from Richard L. Elwell, 39 Chestnut Street, Boston 8, Massachusetts, for an exploration project for uranium at Colorado, Utah.

McHenry Mosier

Attachments

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
OCT 18 9 12 AM '51

Attach this letter

Defense Minerals Administration
Eastern Experiment Station
College Park, Maryland

DMA-2174

Dear Sirs:

Search through old mining records has yielded the enclosed radio-active ore bodies. Most of these were discovered around the turn of the century, some as early as the 1880's, others up to 1914.

Inquiry through the Montrose, Colorado, County Clerk and Recorders office on two, shows the claims lapsed soon after discovery in 1899 and it is assumed most of the others listed are open to relocating and reclaiming.

I wish to go out there for a month, hire a surveyor, test for radio-activity, claim any commercial deposits, sell claims, or mine ore and sell to A.E.C.

Very truly yours,

Richard L. Elwell

Richard L. Elwell.

39 Chestnut Street
Boston 8, Mass.
Oct. 15, 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
OCT 18 9 12 AM '51

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2174

Date received 10-18-51

Participation

Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Name and address of applicant

Date ~~Sept. 25,~~ Oct. 15, 1951

FILL IN THIS BLOCK

Date of application ~~Aug. 26,~~ Oct. 15, 1951

Estimated cost $1520.00

Mineral or metal Uranium

Percentage of Government participation 90

Location of mines Colorado, Utah

Date of filing MF-100

DMA Docket Number, if available 2174

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners. No.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. No.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Amateur Geologist, Agric.College background, 2 yr. experience witn Geiger-counter

*5. Are you the owner or the lessee of the property? Neither

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None — in Public Lands

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See attached notes

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Yes $200.

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Public lands

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Notes attached

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. See attached notes

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See attached notes

*13. State source and quantity of water available for operations and its sufficiency at all seasons. To be determined after discovery.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. To be determined

15. State in detail how the ore could be shipped and how and where milled. Truck to A.E.C. accumulating centers after discovery.

*16. History: See attached notes

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information: Inquiry on few says no production at present.

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly. All available data given under No. 10b

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves. unknown

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? U, V, Cu

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See attached notes

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned ~~company, and the official executing this certification on its behalf,~~ individual hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of ~~their~~ his knowledge and belief.

By Richard L. Elwell
(Signature of authorized official)

(Name of company)

Oct. 15, 1951
(Date)

(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

8. Assets, Cash $500.00
Liabilities, family maintenance $50.00 week Income $3500 yr.

10(b) Former location records must be searched upon arrival at recorders offices to obtain location of following:

(1.) Copper Prince @ Roc Creek, Montrose Co., Colorado.
(2.) Yellow Boy @ La Sal Creek, " " "
(3.) Red Jacket, San Miqual Co. Lat 38° 3'N, Long 108°42'W, Colorado.
(4.) Jo Dandy, S.W. wall Paradox Valley, Montrose Co., Colo., sec. 21, T.46N., R.17W., Lat. 38° 14'N, Long 108° 46'W.
(5.) Calamity Creek (not a claim name) Mesa Co. (Warren Bleeker & Karl Kithill)
(6.) Dolores Camp (sec. 19, T48 N., R18W Montrose Co.)
(7.) Henry Clay claim of Radium Co. of Colorado at Long Park on N E side Paradox Valley, 5 mi. N of Jo Dandy claim.
(8.) Bill Bryan claim, Wild Steer canyon (Beattie & Beattie).
(9.) Geo. Kunkle's claim, 6 mi. W of Gateway, Colo.
(10.) Temple Mt. on San Rafael Swell, Emery Co., 45 mi. S.W. of town of Green River, Utah shows a purplish mineral 20% UO 3 & 36% V2 o5 and 2% V2 o4. Other tests up to 55% UO 3.
(11.) About 2 mi. S.W. of little group of houses (1914) known as Fruita, Wayne Co., Utah, a fine eastward-draining canyon on the Grandwash. Near bottom on N wall is a Shinarump conglomerate carrying asphaltite, Zippeite with the asphaltite, bright yellow.
(12) Starlight claims of H. A. Hatch, N.E. side of Mt. Hillers in Henry Mts., Garfield Co., SE Utah.
(13) Yellow Bird claim, La Sal Creek, Montrose Co., Colorado.
(14) Canary Claim, A. B. Frenzel has V & U. Near Placerville, NE of R.R. station about 4500 ft. are several claims in addition to above.
(15) Coal Creek Valley area "The Transfer", 14 mi. NE Meeker, Rio Blanco Co., Colorado. Caywood claims #1 on ridge summit at 1100 ft. above Coal Creek about 1½ mi. N of point where creek flows thru. Dakota sandstone ledges. In this and other pits nearby there was apparently an abundance of fossil wood, coated with bright yellow pigment, tested carnotite. Ore shows clearly original woody structure. Some small pieces coal also found. Carnotite covers surface and fills cracks and fractures.
(16) Caywood #2 about 300 yds. from Caywood #1 in SE direction along ridge summit but about 300 ft. lower down. Sandstone showed no carnotite but green stain 4 - 5 ft. down from surface of ledge on ground, at jointing places of rocks. Fossil wood streak exposed, embedded in massive sandstone which carried much green stain. Green stain on testing proved Cu, no U or V. Below Caywood #2 down ridge to bed of Coal Creek, fragments of silicified wood noted, apparently making single continuous stratum in Dakota ledges.

Upper Coal Creek Valley, Rio Blanco Co., Colo. T2N-R92W-Sec. 28

(17) So. side Coal Creek along southerly continuation of hogback, another prospect pit. This about ½ mi. straight line S Coal Creek and 1200 ft. or so above main creek valley. No carnnite here but silicified wood. T2N-R92W, Sec. 33

(18) Little over 1 mi. NE Cay. #1 high up on ridge another prospect. Carnotite found. This prospect near top of peak used as triangulation station by topo. survey, 1876 by Hayden. 9430 ft. Pit about 500 ft. SE of summit and nearly as high. Ore seam about 6 ft. below surface, 1 inch or so thick between two sandstone strata the top one about 20 inches thick and lower 4 inches. No fossil wood.
Possibly U and V came from basalt of Sleepy Cat Mt., boulders of which lie scattered over Dakota sandstone ridges.
T2N-R92W-Sec.33-SW¼ high up.

(19) Western Routt Co., Colorado.
Carnotite locality about 60 mi. due W and little N of Coal Creek deposits. On S foot Blue Mt. (Yampa Plateau on early maps) about 18 mi. due E Colorado-Utah boundry.
Prospects along summit and flanks of highest hogback about 2 mi. W of Skull Creek which is main E fork of Red Wash. No claims staked. This strip extends from E to W thru tier of 40 acre tracts in Sec. 35, T N N R101 W of the re-survey and behind.
Best showing of minerals on summit highest hogback in NW¼, sec. 35, T4N, R101W. Bare rock ledge. Hard to find prospects.
Ores beautiful colors.
Carnotite appears small % of minerals found. Carnotite film, crust of powdery, bright yellow.

(16(a) The above locations discovered before present atomic energy era
(b) and abandoned years ago.
(c) Location #1, Copper Prince
U o3 - 54.89%
V2 o5 - 18.49%
Location #2, Yellow Boy
U o3 - 54%
V2 o5 - 18.05%

21. Proposed to fly to Montrose, Colorado from Boston, Mass. There hire U-Drive-IT car and surveyor. Motor to Montrose and locate claims not known under paragraph 10b at Recorder's office. Then drive to locations and explore areas with geiger-counter.

22. All the locations listed are in the area known to be radio-active and the U.S. A.E.C. has asked people to explore the area.

23. Costs.

Plane to Montrose, Colo. from Boston, Round trip		270.00
Hire one surveyor 28 days @ $25.00		700.00
Hire U-Drive-IT car, 4 weeks @ $42.00	168.00	
2000 miles @ 7¢	142.00	310.00
Room rent		40.00
Food		100.00
Camp equipment		100.00
		1520.00

23(g) Will use my own geiger-counter. Back-ground count at Boston, Mass. 38/min.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

Attach this letter

OCT 18 9 12 AM '51

Defense Minerals Administration
Eastern Experiment Station
College Park, Maryland

Dear Sirs:

Search through old mining records has yielded the enclosed radio-active ore bodies. Most of these were discovered around the turn of the century, some as early as the 1880's, others up to 1914.

Inquiry through the Montrose, Colorado, County Clerk and Recorders office on two, shows the claims lapsed soon after discovery in 1899 and it is assumed most of the others listed are open to relocating and reclaiming.

I wish to go out there for a month, hire a surveyor, test for radio-activity, claim any commercial deposits, sell claims, or mine ore and sell to A.E.C.

Very truly yours,

Richard L. Elwell

Richard L. Elwell.

39 Chestnut Street
Boston 8, Mass.
Oct. 15, 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2174

Date received 10-18-51

Participation

Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Name and address of applicant

Date ~~Sept. 25,~~ Oct. 15, 1951

FILL IN THIS BLOCK

Date of application ~~Aug. 26,~~ Oct. 15, 1951

Estimated cost $1520.00

Mineral or metal Uranium

Percentage of Government participation 90

Location of mines Colorado, Utah

Date of filing MF-100

DMA Docket Number, if available 2174

INSTRUCTIONS

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THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners. No

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. No.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Amateur Geologist, Agric.College background, 2 yr. experience with Geiger-counter

*5. Are you the owner or the lessee of the property? Neither

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None — in Public Lands

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See attached notes

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Yes

$200.

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

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(*a*) If mine is in production, furnish the following information: Inquiry on few says no production at present.

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
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*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly. All available data given under No. 10b

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(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned ~~company, and the official executing this certification on its behalf,~~ individual hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of ~~their~~ his knowledge and belief.

(Name of company)

By Richard L. Elwell
(Signature of authorized official)

Oct. 15, 1951
(Date)

(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

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(6.) Dolores Camp (sec. 19, T48 N., R18W Montrose Co.)
(7.) Henry Clay claim of Radium Co. of Colorado at Long Park on N E side Paradox Valley, 5 mi. N of Jo Dandy claim.
(8.) Bill Bryan claim, Wild Steer canyon (Beattie & Beattie).
(9.) Geo. Kunkle's claim, 6 mi. W of Gateway, Colo.
(10.) Temple Mt. on San Rafael Swell, Emery Co., 45 mi. S.W. of town of Green River, Utah shows a purplish mineral 20% UO 3 & 36% V2 o5 and 2% V2 o4. Other tests up to 55% UO 3.
(11.) About 2 mi. S.W. of little group of houses (1914) known as Fruita, Wayne Co., Utah, a fine eastward-draining canyon on the Grandwash. Near bottom on N wall is a Shinarump conglomerate carrying asphaltite, Zippeite with the asphaltite, bright yellow.
(12) Starlight claims of H. A. Hatch, N.E. side of Mt. Hillers in Henry Mts., Garfield Co., SE Utah.
(13) Yellow Bird claim, La Sal Creek, Montrose Co., Colorado.
(14) Canary Claim, A. B. Frenzel has V & U. Near Placerville, NE of R.R. station about 4500 ft. are several claims in addition to above.
(15) Coal Creek Valley area "The Transfer", 14 mi. NE Meeker, Rio Blanco Co., Colorado. Caywood claims #1 on ridge summit at 1100 ft. above Coal Creek about 1½ mi. N of point where creek flows thru. Dakota sandstone ledges. In this and other pits nearby there was apparently an abundance of fossil wood, coated with bright yellow pigment, tested carnotite. Ore shows clearly original woody structure. Some small pieces coal also found. Carnotite covers surface and fills cracks and fractures.
(16) Caywood #2 about 300 yds. from Caywood #1 in SE direction along ridge summit but about 300 ft. lower down. Sandstone showed no carnotite but green stain 4 - 5 ft. down from surface of ledge on ground, at jointing places of rocks. Fossil wood streak exposed, embedded in massive sandstone which carried much green stain. Green stain on testing proved Cu, no U or V. Below Caywood #2 down ridge to bed of Coal Creek, fragments of silicified wood noted, apparently making single continuous stratum in Dakota ledges.
Upper Coal Creek Valley, Rio Blanco Co., Colo. T2N-R92W-Sec. 28

(17) So. side Coal Creek along southerly continuation of hogback, another prospect pit. This about ½ mi. straight line S Coal Creek and 1200 ft. or so above main creek valley. No carnnite here but silicified wood. T2N-R92W, Sec. 33

(18) Little over 1 mi. NE Cat. #1 high up on ridge another prospect. Carnotite found. This prospect near top of peak used as triangulation station by topo. survey, 1876 by Hayden. 9430 ft. Pit about 500 ft. SE of summit and nearly as high. Ore seam about 6 ft. below surface, 1 inch or so thick between two sandstone strata the top one about 20 inches thick and lower 4 inches. No fossil wood.
Possibly U and V came from basalt of Sleepy Cat Mt., boulders of which lie scattered over Dakota sandstone ridges.
T2N-R92W-Sec.33-SW¼ high up.

(19) Western Routt Co., Colorado.
Carnotite locality about 60 mi. due W and little N of Coal Creek deposits. On S foot Blue Mt. (Yampa Plateau on early maps) about 18 mi. due E Colorado-Utah boundry.
Prospects along summit and flanks of highest hogback about 2 mi. W of Skull Creek which is main E fork of Red Wash. No claims staked. This strip extends from E to W thru tier of 40 acre tracts in Sec. 35, T N N R101 W of the re-survey and behind. Best showing of minerals on summit highest hogback in NW¼, sec. 35, T4N, R101W. Bare rock ledge. Hard to find prospects. Ores beautiful colors.
Carnotite appears small % of minerals found. Carnotite film, crust of powdery, bright yellow.

(16(a) The above locations discovered before present atomic energy era
(b) and abandoned years ago.
(c) Location #1, Copper Prince
U o3 - 54.89%
V2 o5 - 18.49%
Location #2, Yellow Boy
U o3 - 54%
V2 o5 - 18.05%

21. Proposed to fly to Montrose, Colorado from Boston, Mass. There hire U-Drive-IT car and surveyor. Motor to Montrose and locate claims not known under paragraph 10b at Recorder's office. Then drive to locations and explore areas with geiger-counter.

22. All the locations listed are in the area known to be radio-active and the U.S. A.E.C. has asked people to explore the area.

23. Costs.

Plane to Montrose, Colo. from Boston, Round trip		270.00
Hire one surveyor 28 days @ $25.00		700.00
Hire U-Drive-IT car, 4 weeks @ $42.00	168.00	
2000 miles @ 7¢	142.00	310.00
Room rent		40.00
Food		100.00
Camp equipment		100.00
		1520.00

23(g) Will use my own geiger-counter. Back-ground count at Boston, Mass. 38/min.

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D. C.

OCT 18 9 12 AM '51

Attach Claims Division

Defense Minerals Administration
Eastern Experiment Station
College Park, Maryland

Dear Sirs:

Search through old mining records has yielded the enclosed radio-active ore bodies. Most of these were discovered around the turn of the century, some as early as the 1880's, others up to 1914.

Inquiry through the Montrose, Colorado, County Clerk and Recorders office on two, shows the claim lapsed soon after discovery in 1899 and it is assumed most of the others listed are open to relocating and reclaiming.

I wish to go out there for a month, hire a surveyor, test for radio-activity, claim any commercial deposits, sell claims, or mine ore and sell to A.E.C.

Very truly yours,

Richard L. Elwell

Richard L. Elwell.

39 Chestnut Street
Boston 8, Mass.
Oct. 15, 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2174

Date received 10-18-51

Participation

Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Name and address of applicant

Date ~~Sept. 25,~~ Oct. 15, 1951

FILL IN THIS BLOCK

Date of application ~~Aug. 26,~~ Oct. 15, 1951

Estimated cost $1520.00

Mineral or metal Uranium

Percentage of Government participation 90

Location of mine s Colorado, Utah

Date of filing MF-100

DMA Docket Number, if available 2174

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners. No

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. No.

*4. Describe the mining and general business experience of (a) the applicant, and (b) the person or persons who will manage the project. Amateur Geologist, Agric.College background, 2 yr. experience with Geiger-counter

*5. Are you the owner or the lessee of the property? Neither

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None — in Public Lands

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See attached notes

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Yes $ 200

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Public lands

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Notes attached

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. See attached notes

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See attached notes

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. To be determined after discovery.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. To be determined

15. State in detail how the ore could be shipped and how and where milled. Truck to A.E.C. accumulating centers after discovery.

*16. History. See attached notes

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information: Inquiry on few says no production at present.

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly. All available data given under No. 10b

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves. unknown

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? U, V, Cu

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See attached notes

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned ~~company~~ individual, ~~and the~~ official ~~executing this certification on its behalf~~, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of ~~their~~ his knowledge and belief.

By Richard L. Elwell
(Signature of authorized official)

(Name of company)

Oct. 15, 1951
(Date)

(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

8. Assets, Cash $[illegible].00
Liabilities, family maintenance $50.00 week Income $3500.00 yr.

10(b) Former location records must be searched upon arrival at recorders offices to obtain location of following:

(1.) Copper Prince @ Roc Creek, Montrose Co., Colorado.
(2.) Yellow Boy @ La Sal Creek, " " " .
(3.) Red Jacket, San Miguel Co. Lat 38° 3'N, Long 108°42'W, Colorado.
(4.) Jo Sandy, S.E. wall Paradox Valley, Montrose Co., Colo., sec. 21, T.14S., R.17W., Lat. 38° 14'N, Long 108° 45'W.
(5.) Calamity Creek (not a claim name) Mesa Co. (Warren Blecker & Earl Mitchell)
(6.) Dolores Camp (sec. 19, T48 R., R15W Montrose Co.)
(7.) Henry Clay claim of Saffun Co. of Colorado at Long Park on W W side Paradox Valley, 3 mi. S of Jo Sandy claim.
(8.) Bill Bryan claim, Wild Steer canyon (Beattie & Beattie).
(9.) Geo. Hankle's claim, 6 mi. W of Gateway, Colo.
(10.) Temple Mt. on San Rafael Swell, Emery Co., 45 mi. S.E. of town of Green River, Utah shows a purplish mineral 20% U3 & 36% V2 o5 and 2% V2 o4. Other tests up to 55% U3.
(11.) About 2 mi. S.W. of little group of houses (1714) known as Fruita, Wayne Co., Utah, a fine southward-draining canyon on the Grandwash. Near bottom on E wall is a Chinarump conglomerate carrying asphaltite, Hippoite with the asphaltite, bright yellow.
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(15) Coal Creek Valley area "The Transfer", 14 mi. NE Meeker, Rio Blanco Co., Colorado. Caywood claim #1 on ridge summit at 1100 ft. above Coal Creek about 1½ mi. E of point where creek flows thru. Dakota sandstone ledges. In this and other pits nearby there was apparently an abundance of fossil wood, coated with bright yellow pigment, tested carnotite. Ore shows clearly original woody structure. Some small pieces coal also found. Carnotite covers surface and fills cracks and fractures.
(16) Caywood #2 about 300 yds. from Caywood #1 in SE direction along ridge summit but about 300 ft. lower down. Sandstone showed no carnotite but green stain 4 - 5 ft. down from surface of ledge on ground, at jointing places of rocks. Fossil wood streak exposed, embedded in massive sandstone which carried much green stain. Green stain on testing proved Cu, no U or V. Below Caywood #2 down ridge to bed of Coal Creek, fragments of silicified wood noted, apparently making single continuous stratum in Dakota ledges.

Upper Coal Creek Valley, Rio Blanco Co., Colo. T2N-R92W-Sec. 28

(17) So. side Coal Creek along southerly continuation of hogback, another prospect pit. This about $\frac{1}{2}$ mi. straight line S Coal Creek and 1200 ft. or so above main creek valley. No carnotite here but silicified wood. T2S-R92W, Sec. 33

(18) Little over 1 mi. NE Cay. #1 high up on ridge another prospect. Carnotite found. This prospect near top of peak used as triangulation station by topo. survey, 1876 by Hayden. 9430 ft. Sit about 500 ft. SE of summit and nearly as high. Ore seam about 6 ft. below surface, 1 inch or so thick between two sandstone strata the top one about 20 inches thick and lower 4 inches. No fossil wood.
Possibly 6 and 7 came from basalt of Sleepy Cat Mt., boulders of which lie scattered over Dakota sandstone ridges.
T2S-R92W-Sec.33-SW¼ high up.

(19) Western Routt Co., Colorado.
Carnotite locality about 60 mi. due N and little E of Coal Creek deposits. On S foot Blue Mt. (Yampa Plateau on early maps) about 10 mi. due S Colorado-Utah boundry.
Prospects along summit and flanks of highest hogback about 2 mi. W of Small Creek which is main S fork of Red Wash. No claims staked. This strip extends from E to W thru tier of 40 acre tracts in Sec. 35, T 5 N R101 W of the re-survey and behind. Best showing of minerals on summit highest hogback in SE¼, sec. 35, T5N, R101W. Bare rock ledge. Hard to find prospects. Ores beautiful colors.
Carnotite appears small % of minerals found. Carnotite film, crust of powdery, bright yellow.

(16(a) The above locations discovered before present atomic energy era
(b) and abandoned years ago.
(c) Location #1, Copper Prince
U o3 - 54.59%
V2 o5 - 16.40%
Location #2, Yellow Boy
U o3 - 54%
V2 o5 - 16.05%

21. Proposed to fly to Montrose, Colorado from Boston, Mass. There hire U-Drive-It car and surveyor. Motor to Montrose and locate claims not known under paragraph 10b at Recorder's office. Then drive to locations and explore areas with geiger-counter.

22. All the locations listed are in the area known to be radio-active and the U.S. A.E.C. has asked people to explore the area.

23. Costs.

Plane to Montrose, Colo. from Boston, Round trip		270.00
Hire one surveyor 28 days @ $25.00		700.00
Hire U-Drive-It car, 4 weeks @ $42.00	168.00	
2000 miles @ 7¢	142.00	310.00
Room rent		60.00
Food		100.00
Camp equipment		100.00
		1520.00

23(g) Will use my own geiger-counter. Back-ground count at Boston, Mass. 30/min.

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.

Attach this letter

OCT 18 9 12 AM '51

Defense Minerals Administration
Eastern Experiment Station
College Park, Maryland

Dear Sirs:

Search through old mining records has yielded the enclosed radio-active ore bodies. Most of these were discovered around the turn of the century, some as early as the 1880's, others up to 1914.

Inquiry through the Montrose, Colorado, County Clerk and Recorders office on two, shows the claims lapsed soon after discovery in 1899 and it is assumed most of the others listed are open to relocating and reclaiming.

I wish to go out there for a month, hire a surveyor, test for radio-activity, claim any commercial deposits, sell claims, or mine ore and sell to A.E.C.

Very truly yours,

Richard L. Elwell

Richard L. Elwell.

39 Chestnut Street
Boston 8, Mass.

Oct. 15, 1951

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-2174

Date received 10-18-51

Participation

Richard L. Elwell
39 Chestnut Street
Boston 8, Mass.

Name and address of applicant

Date ~~Sept. 25,~~ Oct. 15, 1951

FILL IN THIS BLOCK

Date of application ~~Aug. 26,~~ Oct. 15, 1951

Estimated cost $1520.00

Mineral or metal Uranium

Percentage of Government participation 90

Location of mines Colorado, Utah

Date of filing MF-100

DMA Docket Number, if available 2174

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners. No

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. No.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. Amateur Geologist, Agric.College background, 2 yr. experience with Geiger-counter

*5. Are you the owner or the lessee of the property? Neither

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. None — in Public Lands

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See attached notes

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? Yes $200.

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. Public lands

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Notes attached

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

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*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. See attached notes

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. To be determined after discovery.

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15. State in detail how the ore could be shipped and how and where milled. Truck to A.E.C. accumulating centers after discovery.

*16. History: See attached notes

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information: Inquiry on few says no production at present.

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)

(*a*) Describe the ore or mineral deposits briefly. All available data given under No. 10b

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves. unknown

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? U, V, Cu

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See attached notes

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

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24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned ~~company,~~ individual ~~and the official executing this certification on its behalf~~, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of ~~their~~ his knowledge and belief.

(Name of company)	By Richard L. Eldredge (Signature of authorized official)
Oct. 15, 1951 (Date)	(Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

8. Assets, Cash $500.00
Liabilities, family maintenance $50.00 week Income $3500 yr.

10(b) Former location records must be searched upon arrival at recorders offices to obtain location of following:

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(15) Coal Creek Valley area "The Transfer", 14 mi. NE Meeker, Rio Blanco Co., Colorado. Caywood claims #1 on ridge summit at 1100 ft. above Coal Creek about 1½ mi. N of point where creek flows thru. Dakota sandstone ledges. In this and other pits nearby there was apparently an abundance of fossil wood, coated with bright yellow pigment, tested carnotite. Ore shows clearly original woody structure. Some small pieces coal also found. Carnotite covers surface and fills cracks and fractures.
(16) Caywood #2 about 300 yds. from Caywood #1 in SE direction along ridge summit but about 300 ft. lower down. Sandstone showed no carnotite but green stain 4 - 5 ft. down from surface of ledge on ground, at jointing places of rocks. Fossil wood streak exposed, embedded in massive sandstone which carried much green stain. Green stain on testing proved Cu, no U or V. Below Caywood #2 down ridge to bed of Coal Creek, fragments of silicified wood noted, apparently making single continuous stratum in Dakota ledges.

Upper Coal Creek Valley, Rio Blanco Co., Colo. T2N-R92W-Sec. 28

(17) So. side Coal Creek along southerly continuation of hogback, another prospect pit. This about ½ mi. straight line S Coal Creek and 1200 ft. or so above main creek valley. No carnotite here but silicified wood. T2N-R92W, Sec. 33

(18) Little over 1 mi. NE Cay. #1 high up on ridge another prospect. Carnotite found. This prospect near top of peak used as triangulation station by topo. survey, 1876 by Hayden. 9430 ft. Pit about 500 ft. SE of summit and nearly as high. Ore seam about 6 ft. below surface, 1 inch or so thick between two sandstone strata the top one about 20 inches thick and lower 4 inches. No fossil wood.
Possibly U and V came from basalt of Sleepy Cat Mt., boulders of which lie scattered over Dakota sandstone ridges.
T2N-R92W-Sec.33-SW¼ high up.

(19) Western Routt Co., Colorado.
Carnotite locality about 60 mi. due W and little N of Coal Creek deposits. On S foot Blue Mt. (Yampa Plateau on early maps) about 18 mi. due S Colorado-Utah boundry.
Prospects along summit and flanks of highest hogback about 2 mi. W of Skull Creek which is main N fork of Red Wash. No claims staked. This strip extends from E to W thru tier of 40 acre tracts in Sec. 35, T N R R101 W of the re-survey and behind. Best showing of minerals on summit highest hogback in NW¼, sec. 35, T4N, R101W. Bare rock ledge. Hard to find prospects. Ores beautiful colors.
Carnotite appears small % of minerals found. Carnotite film, crust of powdery, bright yellow.

(16(a) The above locations discovered before present atomic energy era
(b) and abandoned years ago.
(c) Location #1, Copper Prince
U o3 - 54.89%
V2 o5 - 18.49%
Location #2, Yellow Boy
U o3 - 54%
V2 o5 - 18.05%

21. Proposed to fly to Montrose, Colorado from Boston, Mass. There hire U-Drive-IT car and surveyor. Motor to Montrose and locate claims not known under paragraph 10b at Recorder's office. Then drive to locations and explore areas with geiger-counter.

22. All the locations listed are in the area known to be radio-active and the U.S. A.E.C. has asked people to explore the area.

23. Costs.

Plane to Montrose, Colo. from Boston, Round trip		270.00
Hire one surveyor 28 days @ $25.00		700.00
Hire U-Drive-IT car, 4 weeks @ $42.00	168.00	
2000 miles @ 7¢	142.00	310.00
Room rent		40.00
Food		100.00
Camp equipment		100.00
		1520.00

23(g) Will use my own geiger-counter. Back-ground count at Boston, Mass. 30/min.