DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4932

Application
- [x] Denied
- [ ] Withdrawn

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

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

Folder No. 1:

50 c/s

Left Side

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

Right Side

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

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

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

Additional Folders:

Left Side

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

Right Side

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

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

January 31, 1958

DMEA
RECEIVED FEB 3 1958
DATE

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: New Application (Thorium-Rare Earths-Rutile-Columbium)
Carroll W. Wells
Montana Special
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application submitted by Carroll W. Wells, Box 541, Salmon, Idaho. We have retained one copy for our files.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2)
Geologist

Form MF-103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
BUREAU OF MINES
JAN 29 1958
SPOKANE, WASH.

APPLICATION FOR AID IN AN EXPLORATION PROJECT

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

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

Carroll W. Wells
Salmon, Idaho
Box 541

Phone 3294

RECEIVED FEB 3

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4932
Date Received: 2/3/58
Government Participation %:
Region: I
Division Code: 700

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized: Idaho

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Carroll W. Wells	Box 541	Salmon, Idaho
W. P. Ellis		Salmon, Idaho
Roy Donner (Donner)		Twin Falls, Idaho
Ernest Woodman		Salmon, Idaho

Mineral(s) for which you wish to explore: Thorium, rare earths, rutile, columbium

Estimated Cost of Project: $ 17,500.00

LOCATION OF PROPERTY

Name	County	State
Montana Special (McDevitt Mining District)	Lemhi	Idaho

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

Jan 27 1958
Dated

Carroll W. Wells
BY *(Signature)*

Mining
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

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

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

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

* * * * *

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

Montana Special Nos. 1 to 7 inclusive, of record in the Office of the Lemhi County Recorder of Lemhi County, Idaho, in Book 9 of Mining Claims at pages 101, 101-102, 102, 103, 103-104, 127-128 and 128, respectively.

Information required with Form MF-103

DMSA
RECEIVED FEB 3 1958
DATE | INITIALS | CODE

1. (a) attached.
   (b) Montana Special 1, 2, 3, 4, 5, 6, 7, 8, .
   (c) Owner
   (d) No liens, or encumbrances.
2. (a) None, so far, only sample trenches.
   (b) Owner, negotiating for contract.
   (c) None.
   (d) As stated in form MF-103, not assayed yet.
   (d) See (f)

(f) In seven short trenches ore was encountered on surface and about 2' of overburden was removed, & a few shots put into the solid in each place. The vein is an East & West strike, & dips on about a 45 degree angle to the North. Its a large fault zone about 3000' in length, filled with a breccia material. The associated rock is quartzite.

(g) There has never been any geological or engineering report made on this property, no assays taken, only the mineral has been identified as Thorium, Rare Earths, Columbium, and Rutile.

3. (a) This property is 1½ miles from the oiled Highway (28), and the Tendoy Store, & a county and forest road runs within 400' of ore deposit. The property is open to inspection year round. We have at this time been working on the property for only 10 days. Will be happy to show you property at any time. Carroll W. Wells, Salmon, Idaho, Phone 3294.

(b) Property is 24 miles S.E. of Salmon, & this type of ore would probably be shipped to Salt Lake City, Utah.

4. (a) attached sketches. Surface showings I feel should be trenched for 40', has approximately 2' of overburden of dirt, which should be taken off, & a series of 2' holes put into the solid, shooting solid & removing it, to show trend, the dip, & the strike of the ore, as it appears on the surface, to help with the direction of a drift that would intelligently enable you to decide as to the direction to run your drift & what ore you would expect to encounter with the drift.

(b) This was part of the proposed Cat work, to build a spur road to the ore deposits from main road as well as very good possibility of uncovering several large deposits of ore. This road, as well as uncovering ore & making property accessible, would be put in across where proposed drift would start, where a tool shed would be built, & making it accessible for mining timbers & equipment to be taken to & from Property.

(c) Upon hearing from you & getting your approval, this work will be started within 10 days & finished within 12 months. On trenching 2 men can approximate 8' a day, & I feel trenching very important, to do this work first, as mentioned before, to do drift work in the proper place & with more accuracy. I feel that 2 men can make 3½' a day on the drift, as I feel that a good deal of timber work will be needed in this project.

5. I have had 5 yrs. experience in mining, have studied geology, mineralogy, & assay; was a technical operator for the Government at BMI Plant, Las Vegas, Nev. & had charge of all inbound & outbound raw materials, & was a meteorologist for 4 yrs. I was there. I would carry this project out & send you monthly reports, with estimates of all costs so that you could contribute to me all moneys in accordance with your percentage contract.

6. XXX *See 4 (a) also-- Operations- Hand trenching- first, Cat work- second, Building for tools & equipment- third, and Drifts-fourth.

Open trench work will be 4' wide, removing 2' overburden, going into solid 2' to get accurate view of trench of ore, trend & structure. There has been an estimate of 300' of trench work at $6.00 a foot-- $1800.00. A proposed drift 5' x 7' x 200' which would no doubt need a good deal of timbering. Estimated cost at $40.00 a foot & powder & caps, track & car-- $9,062.00. (No expense added for timbering, as I will take that responsibility myself) **

** Note: There will be insurance coverage for self & all employees on the property working. I will take out insurance & send your participation if project approved. The building 10' x 12' for tools and equipment, plus mens wages for building sam $985.00. Proposed Cat Work- $400.00.

6. (b) Personal service Engineers estimates of tonnage of ore as developed, and engineers estimate of ore body after completion- $300.00. All other services will be taken care of by co-partners.

(c) Picks-$30., shovels-$20.00, hammers-$12., squares-$10., saws-#32., steel tapes-$15., Drill steel & bars- $75., Anvil & tool cleaning equipment-$43., chisels, hack saws, funnels, siphons,-$12., gas cans-$10., Oil barrel-$6., Carbide-$22., miners lamps-$10., mixed nails and tail spikes, and miscellaneous miners small equipments- Not to be determined too accurately, due to difference in prices for all sizes.**

** Note: I have some of these items, and the figure under the incidental Misc. item would cover balance & upkeep.

(d) Operating Equipment-1 Air power, gasoline Jack hammer,bits, steel, owned by me- $1000.00. Truck & Canopy used in operation-owned by me- $3000.00. 1 Car, owned by me which will be used (cost was previously estimated at $12.00 a day for transportation , amounting to $4380.00 for 12 months) Car market value-$600.00.**

** Note: Equipment above is in A 1 shape, & there are no buildings for repair at this time (e).

(f) Building previously mentioned (10 x 12) will be only one proposed at this time. There will be a work bench made for fitting timbers & etc. That will be built under misc incidentals.

(g) Miscellaneous incidentals for operating of this project feel that $573.00 will take care of unaccounted small expense. Work mens Compensation, and Liability Insurance about $500.00. However, this will not be taken out till approval of this project.

7.(a) I wish to perform all the duties relative to this contract & each month send to you a record of expenses in which you would participate & send your amount, according to this contract, so I will be reimbursed for moneys spent on the project.

(b) I would carry out this contract, each month sending you a statement as to my expense in keeping records, as well as working a shift each day on the project, and would consider $25.00 daily a fair reimbursement. **

** Note: Under Miscellaneous, accountant may be needed occasionally for paper work.

** Note: Credit References can be given by:

Idaho First National Bank
R. R. Keirnes
Havemann Hardware
Fred Snook, Atty, all of Salmon, Idaho

Docket

Murphey
Ellis

May 7, 1958

Summary of Proposed Project

Object: Denial of application for exploration aid.

Docket No.: DMEA-4932

Commodity: Thorium, rare earths, rutile, columbium.

Amount of Application: $17,500.00

Applicant: Carroll W. Wells, et al.
Box 541
Salmon, Idaho

Property Rights: Owner of Montana Special claims nos. 1 through 9, situate in secs. 27 and 28, T. 19 N., R. 24 E., Boise meridian, Lemhi County, Idaho

Date of Application: January 27, 1958

Referred to Region I: February 14, 1958

Field Examination made: March 4, 1958

Field Team Report received: April 25, 1958

Work Proposed:

Construct access roads, cut trenches by hand and later with dozer, erect storage shed, drift 200 feet.

Estimated Costs:

200 feet drifting	$9,062.00
Storage building	985.00
Dozer work	400.00
Operating equipment and labor	4,380.00
Miscellaneous	1,073.00
Supervision	1,600.00
Total	$17,500.00
Government Participation @ 50%	$ 8,750.00

Excerpts from Field Team's Report of Examination, by Howard F. Albee, USGS, and William M. Romischer, USBM:

The property lies on the south-facing slope of Agency Creek canyon in the McDevitt Mining District. The presence of thorium-bearing material in the district area a few miles east of the subject property has been known for many years and considerable

exploration has been done. For example, at the Wonder Mine where inferred reserves include 17,293 tons of rock containing about 135,400 pounds of equivalent thoria, but because of physical and technical problems there has been no production from the district.

The deposits consist of narrow and discontinuous quartz-hematite veins emplaced as fracture fillings in quartzite, argillite, and siltstone of the Precambrian Belt series. The deposits appear to be controlled by two zones of fractures, one set striking northerly, the other northwesterly. The examiners could find no evidence of the 3000-foot long fault zone mentioned in the application.

Work on the claims consists of two hand-dug trenches showing mineralized fracture systems. Several other smaller trenches show only country rock. One small trench shows a vein of galena 1" to 3" thick. A grab sample of the galena vein tested spectrographically showed 0.15% Th and 7.0% Pb.

Three other samples taken from places showing radioactivity ranging from 3 to 8 times background count were also tested spectrographically. Results show 0.0 to 0.15% Th, with trace amounts of rare earths and columbium-tantalum.

Since no evidence of ore-grade mineralization is present on the claims, the examiners and Field Team recommended the application be denied.

Commodity Members' Comments:

In memoranda, dated May 7 and 8, 1958, T. H. Kiilsgaard, USGS, and James Paone, USBM, respectively, concur in the Field Team's recommendation.

Division of Rare and Misc. Metals, F. M. Murphy,

Radiometric readings up to 0.17% eU can be obtained on selected specimens from the fracture zones. Using a factor of 4.4 eU to eTh, indicates the best material would only be equivalent to 0.75 eTh in grade. The deposits are thin and scattered, hence, present no exploration target.

Conclusions and Recommendations:

This division agrees with the findings of the field examiners, and therefore, concurs in their recommendation that application DMEA-4932 should be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Director
Division of Rare and
Miscellaneous Metals

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/10/59	Murphy	700
3/11	Kebube	700
3/11	Selfridge	120
		110
		220
		225

MAR 13 1959

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Re: Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium)
Wells, Ellis, Woodman, and Donner
Montana Special Claims
Lemhi County, Idaho

Dear Mr. Wells:

This is to acknowledge your letter of February 18, 1959, enclosing one copy of a claim map and certain factual data relating to an application for OME assistance in exploring the subject claims.

The above-referenced application for exploration assistance was denied in a letter, dated May 14, 1958, by the DMEA Administrator.

In a letter of this date relating to Docket No. OME-6012 you are requested to submit certain data regarding results of new work since March, 1958, and also your financial eligibility. These questions apply to the Montana Special claims application as well. If no new work has been done on the claims, your application under the regulations of OME must be denied.

However, we are enclosing six copies of OME Form 40 for possible use. Please complete and return four of these copies with the additional information mentioned above if you wish to apply under the OME program. Also enclosed for your information is a copy of the Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves (30 CFR Chap. III).

Note: 5/8/59
In letter, dated 3/17/59, (in docket OME-6012) applicant states he will not request aid to explore Montana Special claims.

Sincerely yours,

(signed) FRANK E. JOHNSON

Acting Director

Enclosures

FMMurphy/gla
3-10-59

cc to: Director's Reading File
THKiilsgaard, 5224

FMMurphy
OME Field Team, Region I (2)

43683

Mr. R. Gundy

Handle separately.

Application on new forms should be docketed and then write for needed information.

Second application should not be docketed but write letter sending new forms that must be filled out, and request any new information needed.

Be specific in what information is needed.

FEJohnson

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
2/25/59	Murphy-file	700
2/25	Lusone	700
		120
		110
		100
		220
		700

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Dear Mr. Wells:

This is to acknowledge your letter, dated February 18, 1959, with which you submitted an application for Government aid to explore the Montana Special claims Nos. 1 through 8 and the Ruby Red claims Nos. 1 through 34, both groups situated in Lemhi County, Idaho.

Your previous applications, Docket No. DMEA-4932, covering the Montana Special claims, and Docket No. DMEA-4951, covering the Ruby Red claims, were denied in letters, dated May 14 and July 16, 1958, by the DMEA Administrator. The new application submitted for consideration by the Office of Minerals Exploration contains no new data that might alter the decision made by DMEA concerning aid in exploring the subject properties.

Unless you have performed additional work on the subject properties since March, 1958, and, as a result of this work, can present data indicating that the properties are more favorable for ore deposition than our previous data indicate, we must deny your new application. The new data submitted should include maps showing the locations where samples were taken, a description of the vein, width of vein material that each sample represents, and the assay results.

We will withhold a formal denial for 30 days after the date of this letter pending receipt of the information requested above.

Sincerely yours,

FMMurphy/gla
2-25-59
cc to: Director's Reading File
THKiilsgaard, 5224
FMMurphy
OME Field Team,
Region I (2)

Acting Director

(No OME docket number assigned)

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
3/4/59	Murphy	700
		700
		120
		110
		100
		220
		225

Mr. Carroll W. Wells, ~~et al.~~
Box 541
Salmon, Idaho

Re: Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium)
Montana Special Claims ~~Carroll W. Wells et al~~
Lemhi County, Idaho
Wells, Ellis and Woodman

Dear Mr. Wells
~~Gentlemen~~:

This is to acknowledge your letter of February 18, 1959, enclosing one copy of a claim map and certain factual data relating to an application for OME aid in exploring the subject claims.

The above-referenced application for exploration aid was denied in a letter, dated May 14, 1958, by the DMEA Administrator.

In a letter of this date relating to Docket No. OME-6012 you are requested to submit certain data regarding results of new work since March, 1958, and also your financial ~~responsibility~~ eligibility. These questions apply to the Montana Special claims application as well. If no new work has been done on the claims, your application under the regulations of OME must be denied.

However, we are enclosing six copies of OME Form 40 for possible use. Please complete and return four of these copies with the additional information mentioned above. Also enclosed for your information is a copy of the Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves (30 CFR Chap. III).

Sincerely yours,

Acting Director

If you wish to apply under the OME program

Enclosures
FMMurphy/gla
3-4-59
cc to: Director's Reading File
THKiilsgaard, 5224
FMMurphy
OME Field Team, Region I (2)

43683

Docket DMEA-4932

Excerpt from February 18, 1959, letter by Carroll W. Wells (filed in DME -6012) -- this portion relative to Montana Special Claims

On the Montana Special 8 claims in all, I would like very much to get that exploration also. I have no new Forms so I am sending the old Form that was filled out when I applied. Would you please attach new Forms to them for me and send me my copy.

Yours very truly,

/s/ Carroll W. Wells

Bpx 541, Salmon, Idaho

Form MF–103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

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

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APPLICATION FOR AID IN AN EXPLORATION PROJECT

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

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

[illegible]

Phone SK, 6-3305

APPLICANT NOT TO USE THIS BLOCK

Docket Number

Date Received

Government Participation %

Region

Division Code

BUSINESS ORGANIZATION *(Check one)*

- Individual ☐
- Corporation ☐
- Partnership ☒
- Other *(Specify)* ☐

State in which firm is organized [illegible]

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
[illegible]	[illegible]	[illegible]
[illegible]		[illegible]
[illegible]		[illegible]
[illegible]		[illegible]

Mineral(s) for which you wish to explore [illegible]

Estimated Cost of Project

$ [illegible]

LOCATION OF PROPERTY

Name	County	State
[illegible]	[illegible]	[illegible]

GENERAL INSTRUCTIONS

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

CERTIFICATION

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

Feb 18 1959
Dated

Carroll W Wells
BY *(Signature)*

Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

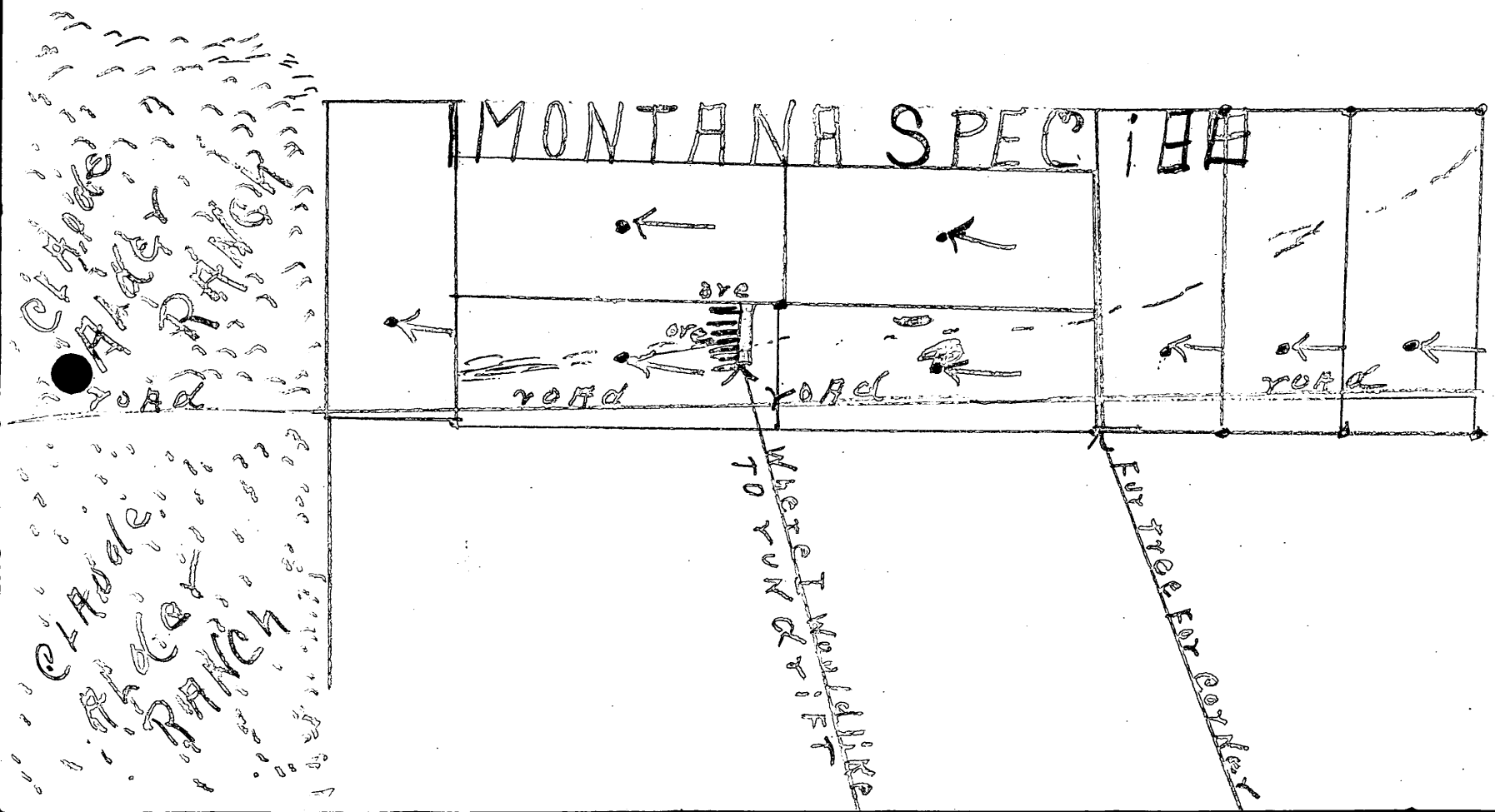
Note – No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

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

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

* * * * *

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


MONTANA SPEC 188
ore
ore
road
road
road
road
Where I would like TO RUN A TRIFT
Fur tree for corner
Clyde Adler Ranch
Clyde Adler Ranch

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

DATE	INITIALS	CODE

Montana Special application

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 24 1959
DATE | INITIALS | CODE

Four copies

1. (a) attached
   (b) Montana Special 1, 2, 3, 4, 5, 6, 7, 8.
   (c) Owner
   (d) No liens or encumbrances
2. (a) None only sample trenches
   (b) Owner, negotiating for contract
   (c) None
   (d) As stated in form MF-103, not assayed yet
   (e) attached
   (f) on short trenches ore was encountered on surface and about 2' of overburden was removed, and a few shots put into the solid in each place. The vein is an East and West strike, & dips on about a 45 degree angle to the North. It's a large fault zone about 3000 ' in length, filled with a breccia material. The associated rock is quartzite.
   (g) There has never been any geological or engineering report made on this property, no assays taken, only the mineral has been identified as Thorium, Rare earths, Columbium and Rutile.
3. (a) This property is 1½ miles from the oiled Highway 28, and the Tendoy Store, and a county and forest road runs within 400' of ore deposit. The property is open to inspection year round. We have at this time been working on the property for only 10 days. Will be happy to show you property at any time. Carroll W. Wells, Salmon, Idaho, Phone 3294.
   (b) Property is 24 miles S.E. of Salmon, & this type of ore would probably be shipped to Salt Lake City, Utah.
4. (a) Attached sketches. Surface showings I feel should be trenched for 40', has approximately 2' of overburden of dirt, which should be taken off, & a series of 2' holes put into the solid, shooting solid & removing it, to show trend, the dip, & the strike of the ore, as it appears on the surface, to help with the direction of a drift that would intelligently enable you to decide as to the direction to run your drift & what ore you would expect to encounter with the drift.
   (b) This was part of the proposed Cat work, to build a spur road to the ore deposits from main road as well as very good possibility of uncovering several large deposits of ore. This road, as well as uncovering ore & making property accessible, would be put in across where proposed drift would start, where a tool shed would be built, & making it accessible for mining timbers & equipment to be taken to & from property.
   (c) Upon hearing from you & getting your approval, this work will be started within 10 days & finished within 24 months, On trenching 2 men can approximate 8' a day, & I feel trenching very important, to do this work first, as mentioned before, to do drift work in the proper place & with more accuracy. I feel that 2 men can make 3½' daily on the drift, as I feel that a good deal of timber work will be needed in the project.
5. I have had 25 years experience in mining, have studied geology, minerology, & assay; was a technical operator for the Government at BMI Plant, Las Vegas, Nev. & had charge of all inbound & outbound raw materials, & was a meteorologist for the 4 yrs. I was there. I would carry this project out & send you monthly reports, with estimates of all costs so that you could contribute to me all moneys in accordance with your percentage contract.
6. *See 4.(a) also-- Operations-Hand trenching first, cat work second, building for tool and equipment third, and drifts fourth.

   Open trench work will be 4' wide, removing 2' overburden, going into solid 2' to get accurate view of trench of ore, trend and structure. There has been an estimate of 300' of trench work at $6.00 a foot--$1800.00. A proposed drift 5' x 7' x 200' which would no doubt need a good deal of timbering. Estimated cost at $40.00 a foot & powder & caps, track & car--$9062.00 (No expense added for timbering, as I will take that responsibility myself.**

   ** Note-- There will be insurance coverage for self and all employees on the property working. I will take out insurance & send your participation if project approved. The building 10' x 12' for tools & equipment, plus mens wages for building same-$985. Proposed Cat Work-$400.00

4,000 Tem.

1600. Bldg.

O.M.E.

3050. Equip
1450. Pipe
800. Timber
900. Electric
400. Misc.
7198. Gas, oil & Stock
12,000. Compr.
800. Misc.
450 Ins 2yr
160. Insurance
24,000. Drill
3,000. Cat
2,200. Grav.
960 Pkr.

wages

Block

.80

.304

FEB 24 1959
O.M.E.

5,600.
4,500.
2,100.
19,198.
1,410.
29,200.
960.
62,968.

FEB 24 1959
O.M.E.

6.(b) Personal services- Engineers estimates of tonnage of ore as developed, and engineers estimate of ore body after completion-$100.00. All other services will be taken care of by the co-partners.

(c) Picks-$30., shovels-$20., hammers,-#12., squares-$10., saws-$32., steel tapes-$15., drill steel & bars-$75., anvil & tool cleaning equipment-$43.,chisels-hack saws, funnels, siphons,-$12., gas cans-$10., oil barrel-$6., Carbide-$22., miners lamps-$10., mixed nails and rail spikes, and miscellaneous miners small equipment- Not to be determined too accurately, due to difference in prices for all sizes, etc. **

** Note- I have some of these items, and the figure under the incidental miscellaneous item would cover balance & upkeep.

(d) Operating equipment-lair power, gasoline Jack hammer, bits, steel, owned by me-1000.00. Truck & canopy used in operation-owned by me, $3000.00. 1 car, owned by me which will be used (cost was previously estimated at $12.00 a day for transportation, amounting to $4380.00 for 12 months) Car market value- $600.00 **

** Note- Equipment above is in A 1 shape, & there are no buildings for repair at this time. (e)

(f) Building previously mentioned (10 x 12) will be only one proposed at this time. There will be a work bench made for fitting timbers etc. That will be built under miscellaneous incidentals.

(g) Miscellaneous incidentals for operating of the project feel that $573.00 will take care of unaccounted small expense. Workmens Compensation, and Liability Insurance about $500.00. However, this will not be taken out till approval of the project.

7. (a) I wish to perform all the duties relative to this contract & each month send you a record of expenses in which you would participate & send your amount, according to this contract, so I will be reimbursed for moneys spent on the project.

(b) I would carry out this contract, each month sending you a statement as to my expense in keeping records, as well as working a shift each day on the project, and would consider $25.00 daily a fair reimbursement.**

** Note- Under Miscellaneous, accountant may be needed occasionally for paper work.

** Note- Credit references can be given by:

Idaho First National Bank
R. R. Keirnes
Havemann Hardware
Fred Snook, Attorney all of Salmon, Idaho

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-12	Murphy	700
5-12	[illegible]	700
5/14	Selfridge	130
"	[illegible]	110
"	Mittendorf	100
		~~240~~
5/15	C	220
		225

MAY 14 1958

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Re: Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium)
Montana Special Claims
Lemhi County, Idaho

5/14 Lamb (130
5/14 Williams (130

Dear Mr. Wells:

Your application for aid in an exploration project and other information available to us in Washington concerning the 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

FMMurphy/izm 5-7-58
cc: Mr. Murphy
Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
DMEA FT Reg. I (2)

8623

OFFICIAL FILE COPY
DMEA
RECEIVED 9 1958

DATE		CODE
19	C	220
	4 MON	700
	Complete	

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

Date May 8, 1958

DMEA Docket No. 4932
DMEA Contract No.
Commodity Thorium-Rare Earths-Rutile
Name of Applicant Carroll W. Wells
Name of property Montana Special Claims
Location of property Lemhi County, Idaho
Estimated cost of project

MEMORANDUM

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

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

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

1. Date of subject document: _____. 2. Date received by reviewer: _____

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

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

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

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

OFFICIAL FILE COPY
IN REPLY REFER TO:
DMEA
RECEIVED MAY 8 1958
DATE | INIT. | CODE
5/8 | C | 220
| FMM | 700

Memorandum

May 7, 1958

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

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of Field Team Examination Report, DMEA Docket 4932, (Thorium and Rare Earths), Montana Special Claims, Lemhi County, Idaho.

Field Team reports that in the fall of 1957 the applicant discovered and staked some claims on which there are some discontinuous quartz-hematite veins in metamorphosed rocks of the Precambrian Belt series. Radioactivity in these quartz-hematite veins ranges from 3 to 8 times above background. Radioactive sections of the veins, however, are from 1 to 6 inches wide and are discontinuous. No persistent and strongly mineralized zone was found, as was claimed to exist by the applicant.

In view of the weakly mineralized and discontinuous nature of the deposits, Field Examiners recommend denial of the application. As there is no reason to expect the proposed work to make a significant discovery, I concur with the Field Examiners and recommend the application be denied.

T. H. Kiilsgaard

T. H. Kiilsgaard

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

OFFICIAL FILE COPY
DMEA
RECEIVED APR 25 1958

DATE		CODE
4/25	C	220
4/30	NB	130
4/30	C	220
4	GMM	700

April 22, 1958

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4932 (Thorium-Rare Earths-Rutile)
Carroll W. Wells
Montana Special Claims
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies of a memorandum examination report on this property by Howard F. Albee, Geologist, Geological Survey.

Although many occurrences of thorium and rare earths have been reported in the vicinity of the property and considerable exploratory work has been done, there has been little, if any, production from the district.

On the Montana Special claims there are narrow discontinuous veins of quartz and hematite filling fractures in quartzite, argillite, and siltstone. Radioactivity ranges from 3 to 8 times above background. No evidence could be found to support the applicant's contention that there is a vein in a 3,000-foot long fault zone. Four samples were taken, of which none contained uranium, 3 contained thorium ranging from 0.07 to 0.15 percent, 1 contained 7 percent lead, but the other 3, only a trace, and none contained amounts of the rare earths. Albee therefore considers that the chance of making a significant discovery is poor and recommends that the application be denied.

We concur with this recommendation.

By Field Team, Region I

Reviewed by
DMEA OPERATING COMMITTEE
4-30-58
(date)

for O.R. Mechanen
A. E. Weissenborn, Exec. Officer
U. S. Geological Survey

Wing G. Agnew
Wing G. Agnew, Member
U. S. Bureau of Mines

Enclosures
cc: USBM(2) Albee
USGS(SRO) AEC, Salt Lake

ON-SITE FILE COPY

DMEA

OFFICIAL FILE COPY
DMEA
RECEIVED APR 25 1958

DATE	INITIALS	CODE
4/30	JHB	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

April 21, 1958

Memorandum

To: DMEA Field Team, Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey

Subject: Application Examination Report, Docket No. DMEA-4932 (Th, RE, U, Nb, Ti), Carroll W. Wells, Montana Special Claims, Lemhi County, Idaho

INTRODUCTION

Carroll W. Wells, Box 541, Salmon, Idaho, applied on January 27, 1958, under Docket No. DMEA-4932, for aid to explore the Montana Special group of claims in Lemhi County, Idaho. The property consists of eight unpatented lode mining claims located jointly by Carroll W. Wells, G. Hammond, L. E. Donner, and Ernest A. Woodman of Salmon, Idaho, and Roy L. Donner of Twin Falls, Idaho.

The property was examined March 4, 1958 by Howard F. Albee, Geologist, U. S. Geological Survey, and William M. Romischer, Mining Engineer, U. S. Bureau of Mines. The examiners were accompanied by Mr. Carroll W. Wells and Mr. Wilson P. Ellis.

SUMMARY

Numerous occurrences of thorium and rare earths have been reported from deposits in the Lemhi Pass area and considerable exploration has been undertaken; however, little if any production has come from the district.

The applicant discovered and staked the mineralized ground in the fall of 1957 and has exposed the bedrock by several hand-dug trenches. The deposits consist of narrow and discontinuous quartz-hematite veins emplaced as fracture fillings in quartzite, argillite, and siltstone of the Precambrian Belt series. They appear to be controlled by two zones of fractures, one set striking northerly, the other northwesterly. Radioactivity of the deposits ranges from 3 to 8 times above background.

Reviewed by
DMEA OPERATING COMMITTEE
4-30-58
(date)

The applicant proposes 300 lineal feet of hand trenching, 200 feet of drifting, and about 33 hours of bulldozing for a total estimated cost of $17,500.

RECOMMENDATIONS

The fracture zones range from about 3 to 10 feet wide and the north-trending zone (pl. 1), which is the better exposed zone, cannot be traced for more than 100 feet on strike. The quartz-hematite veins, which carry the radioactive material, are from 1 to 6 inches wide, discontinuous, and fill only part of the fractures.

No evidence was seen by the examining team nor presented by the applicant to indicate a vein in a 3,000-foot long fault zone as stated in the application. In fact, no evidence could be found that might suggest the existence of such a fault.

The examining team recommends that the application be denied.

LOCATION AND ACCESSIBILITY

The property lies in secs. 27 and 28, T. 19 N., R. 24 E., Boise Meridian, McDevitt Mining District, Lemhi County, Idaho. The claims are readily accessible at all seasons of the year by a well-graded county road, that leaves Idaho State Highway 28 at Tendoy, Idaho (fig. 1). A road log from Tendoy, which is 20 miles southeast of Salmon, Idaho, reads: east from Tendoy Postoffice 0.2 mile; south 0.3 mile; east on Agency Creek road 1.8 miles to Montana Special No. 1 claim.

The property lies largely on the south-facing slope of Agency Creek canyon in the foothills of the Beaverhead range. The hills are covered by sagebrush and range grass with some sparse growths of conifers on the north-facing slopes. The climate is mild during most of the year with commonly not over a foot or two of snow in the winter.

Agency Creek carries sufficient water for year around mine operation and power lines are about a mile west of the claims. Labor and supplies are available in Salmon, Idaho. Mine timber is available locally. The nearest railhead via a good year around road is at Roberts, Idaho about 125 miles southeast of Tendoy.

PROPERTY

History and production

The property comprises newly claimed ground on which only a small amount of work has been done to expose the mineral-

bearing structures. The presence of thorium-bearing material in the district a few miles to the east of the property, however, has been known for many years and considerable exploration has been undertaken. Modest reserves have been estimated at some of the properties; for example, at the Wonder mine where the indicated and inferred reserves include 17,293 tons of rock containing about 135,400 pounds of equivalent thoria, but because of both physical and technical problems there has been no production from the district.

Ownership

The Montana Special group comprises 8 unpatented lode claims (fig. 2) recorded in the Lemhi County Recorder's office at Salmon, Idaho, as follows:

Claim name	Book	Page	Locators
Montana Special No. 1	9	101	Carroll W. Wells G. Hammond L. E. Donner
Montana Special No. 2	9	101-102	Carroll W. Wells G. Hammond L. E. Donner
Montana Special No. 3	9	102	Carroll W. Wells L. E. Donner
Montana Special No. 4	9	103	Carroll W. Wells L. E. Donner
Montana Special No. 5	9	103-104	Carroll W. Wells L. E. Donner
Montana Special No. 6 (amended)	9	333	Carroll W. Wells Ernest A. Woodman L. E. Donner
Montana Special No. 7 (amended)	9	334	Carroll W. Wells Ernest A. Woodman L. E. Donner
Montana Special No. 8	9	334-335	Carroll W. Wells Ernest A. Woodman Roy L. Donner

Montana Special Nos. 6 and 7 are also recorded on pages 127 and 128, respectively, but amended locations have been recorded as shown in the tabulation.

Development

There are no facilities or equipment on the property other than a few hand tools. Surface work consists of two hand-dug trenches showing mineralized fracture systems. Several other smaller trenches and pits have been dug that show only country rock with no appreciable mineralized material. One small trench shows a thin vein of galena.

GEOLOGY

The property is underlain by rocks of the Precambrian Belt series which locally consist of quartzite with intercalated beds of argillite and siltstone.

The attitude of the rocks could not be determined. Foliation, however, seen only in the argillite, is parallel to the westerly striking contact between the argillite and quartzite, and has approximately the same dip of 57° to the south (inset 1, pl. 1). Contacts of the siltstone in station 13 cut (inset 2, pl. 1) could not be seen but the width of the siltstone is not great as quartzite is again exposed about 25 feet north of station 14.

Two distinct sets of fracture systems are exposed by the cuts. A northerly trending set of nearly vertically dipping fractures is exposed in the two large cuts and also a short distance north of station 14. The other set of fractures is exposed in the cut near station 11. This set strikes about N. 70° W. and dips 45° to the south.

The northerly trending set of fractures is wider and contains more quartz-hematite vein fillings than the northwesterly trending set and, although the apparent radioactivity appears to be no greater in the northerly trending set, it is detectable over a greater width.

The radioactivity at the exposed fractures ranges from 0.10 to 0.25 MR/HR which was approximately from 3 to 8 times above background count. A selected sample of material giving the highest count was run for equivalent uranium on a Geiger-Mueller scaling unit, model 161-G. The scaler indicated an eU of 0.17 which is equivalent to approximately 0.75 eTh, using a factor of 4.4 eU to eTh.

The radioactivity is associated with the quartz-hematite veins and seams which fill part of the fractures. Boxworks of iron oxides are abundant along the fracture zones, but if the quartz-hematite vein material is not present, there is no detectable radioactivity. One seam of gouge, from 2 to 3 inches thick, crosses the north face of the cut near station 13. The seam contains no quartz-hematite material nor abnormal radioactivity.

The quartz-hematite veins and seams range from 1 to 6 inches thick and are discontinuous. The veins are not continuous across the exposures nor can the enclosing structures be traced beyond the exposures with certainty. However, it is possible that the north-trending fractures seen near stations 11, 13 and 14 may be correlated.

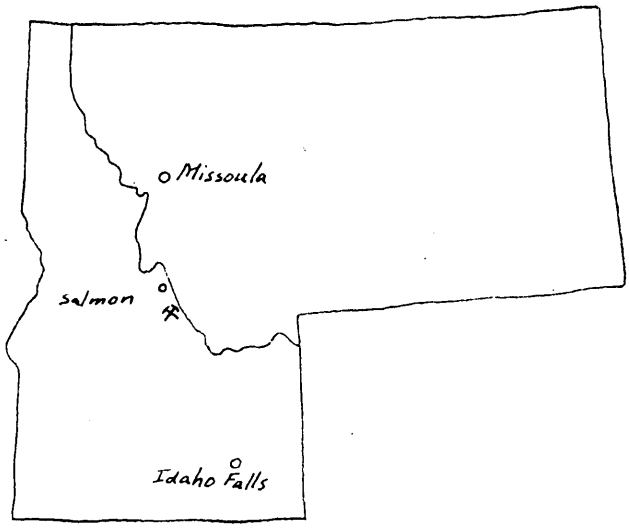
About 300 feet east of the 2 largest cuts a seam of galena is exposed in quartzite. The seam is from 1 to 3 inches thick and is exposed in a small cut for about 2 feet on strike. The seam strikes to the west about the same as the fractures in station 11 cut, but it dips 25° to the north, whereas the fractures dip 45° to the south. A count of from 3 to 5 times above background was obtained along the seam.

Exposures to the east of the galena seam were barren of count although radioactivity was reported in that area by the applicant.

Four samples were taken from the cuts, the locations and lengths of which are shown on plate 1. Samples 340C, 341C, and 342C are chip samples across the indicated widths. Sample 343C is a grab sample taken across the galena seam. The sample data and semiquantitative-spectrographic analyses results are as follows:

Sample No.	Length (feet)	eU %	U %	Th %	Ce %	RE %	Nb %	Ta %	La %	Pb %	Zn %
340C	6.2	0.002	0	0.0	0.015	Trace amounts	0.003	0	0.007	Tr	0.0
341C	2.8	0.004	0	0.07	0.03		0.07	0	0.015	Tr	0.0
342C	9.0	0.017	0	0.15	0.07		0.07	0	0.03	Tr	Tr
343C	Grab	0.023	0	0.15	0.07		0.3	0	0.03	7.0	0.03

Attachments(3)
Distribution:
DMEA(3) Albee
USEM(2) AEC, Salt Lake
USGS(SRO)
Docket



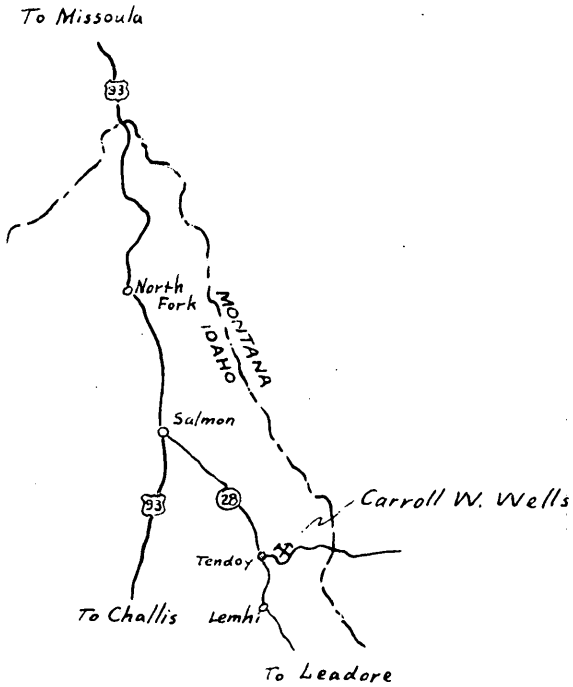


Figure 1. Location map, Carroll W. Wells, et al
Lemhi County, Idaho

OFFICIAL FILE COPY
DMEA
RECEIVED
25 958

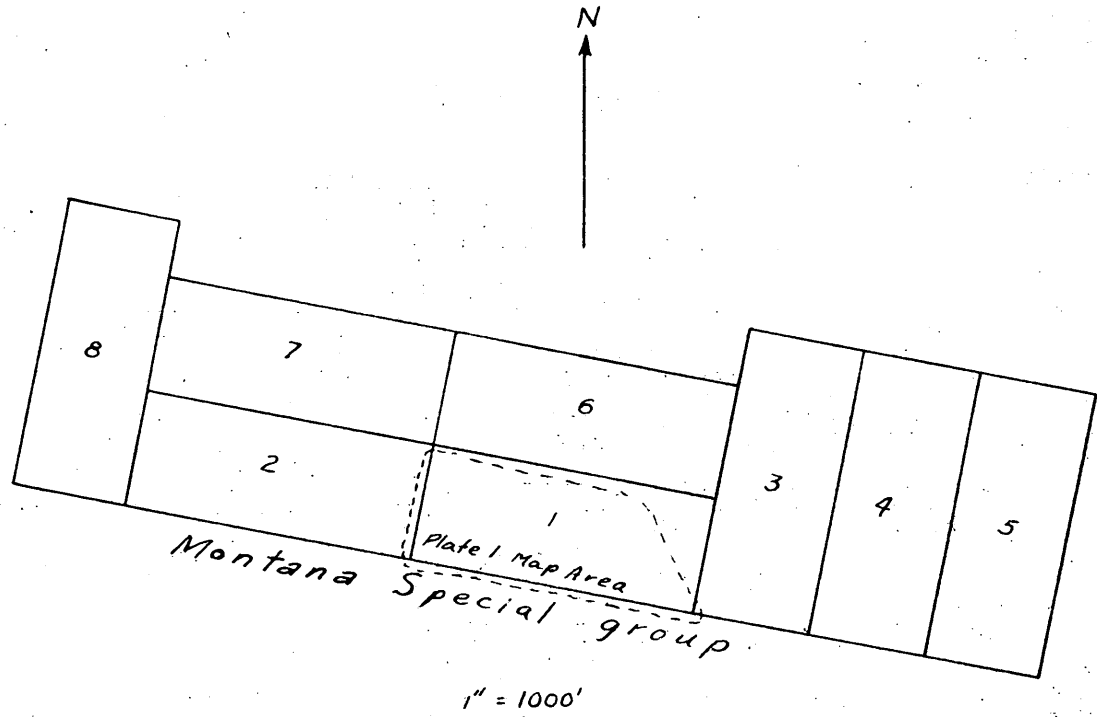


Figure 2. Map of Montana Special group of claims
Carroll W. Wells, et al
Lemhi County, Idaho

OFFICIAL FILE COPY
DMEA
RECEIVED 25 1958
CODE

			DATE
Inc			
~~Curr~~			
al			
uiam			
DMEA			
ANSWERED			

Salmon, Idaho
Box 541
February 18, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 27 1958

DATE	INITIALS	CODE
2/27	C	220
	~~FMH~~	~~700~~

DMEA

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

In reference to your letter from the United States Department of the Interior, concerning the Montana Special Claims, under Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium), which I have made application for the development of, this is to advise you that the snow covering these claims has now gone, the ground is in fine shape for exploration work, and due to the unemployment situation around Salmon, we have quite a few experienced men who would be glad of the chance to put in some time on the development work. I too, am anxious to know as soon as possible, that my application has been accepted, and would appreciate word from you in the near future to that effect, as soon as you hear or decide anything.

Thank you for any consideration in this matter, and I remain

Yours very truly,

Carroll W. Wells
Salmon, Idaho

rdk

RECEIVED
FEB 20 1958
U. S. G. S.
SPOKANE, WASH

Salmon, Idaho
February 10, 1958

FILE COPY
DMEA
RECEIVED FEB 19 1958

DATE		CODE
2-19	C	220
11		700

U. S. Department of Interior
Defense Minerals Exploration Adm.
Washington 25, D. C.

Att: Allen S. Dakan, Director

Dear Mr. Dakan:

I have on hand your letter of February 3, 1958, in which you issued me the Docket Number DMEA-4932.

In order to put forth most of my efforts, and utilize to the best advantage those with experience at the present slack time unemployed, I would appreciate your help in rushing this through, if there is any way possible, and sending me any word as to the acceptance of my application.

At this time of the year, I could devote most of my time to the explorations and development, and with the rate of unemployment at the present time, could pick my help from some of the very best.

Thank you again for your quick answer, and hoping for an early report from you, I remain

Yours very sincerely,

Carroll W Wells

Carroll W. Wells
Box 541
Salmon, Idaho

No reply needed. Operating Com's letter of Feb 14 answers this request. Letters evidently crossed in mail.
FMM

So. 157 Howard Street
Spokane 4, Washington

February 11, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 17 1958

DATE	ACTION	CODE
2/18	C	220
2/19	[illegible]	700

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Re: Docket No. DMEA-4932 (Thorium-Rare Earths-Rutile)
Montana Special
Lemhi County, Idaho

Dear Mr. Wells:

This will acknowledge receipt of your letters of January 27 and February 3, 1958. We have forwarded them to our Washington office for inclusion in your application.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

cc: DMEA (2)
USBM (2)
Alvord

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

February 11, 1958

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 17 1958
2 18 C 220
2 19 ~~KWH~~ 700

Mr. George C. Selfridge, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

Re: Docket No. DMEA-4932 (Thorium, Rare Earths, Rutile)
Carroll W. Wells
Montana Special
Lemhi County, Idaho

Dear Mr. Selfridge:

Enclosed are three copies each of letters dated January 27 and February 3, 1958, which we have received from the applicant, Carroll W. Wells, and are forwarding for inclusion in the application.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2)
Alvord

Received by certified
mail No. 7154015
Return Receipt Requested

BUREAU OF
FEB 5 195
SPOKANE, WASH.

File

Feb 3 1958
Salmon Ida

Legal Description.

Montana Special lies
Ajacent to Carless Murphey's
Timber Claim. Montana Special
Ajacent on N Side

T-19-N R-24-E-W-M

Sec-27-28
NW Cor of 27
NE Cor of 28

Very truly yours
Carroll Wells
P.O Box 541
Salmon Idaho

RECEIVED
BUREAU OF MINES
JAN 31 1958
SPOKANE, WASH.

Jan 27, 1958
Salmon Idaho

Dear Sir

I discovered this property last fall just before winter set in there has never been any discoveries work on Posts on that ground. The map shows you where the ore comes from and where I wish to work I have been doing some work the last month on the Claims Eight Chinese in all I have never had any Chemical assay taken. Which you come to look the property over you may contact me at Salmon Idaho Phone 3294 you will require legal descriptions in a few days the County Surveyor will be back He is out of town for a few days I have sent the ground to Spokane and Coeur d'Alene Dead Ok.

Assay 2/6/58

Very truly yours

[illegible]

A preliminary (by the AEC) of the best piece of rock in the sample run showed quite good uranium which would correspond to approximately .4 percent U3O8.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/12	Murphy	700
2/12	[illegible]	700
2/14	Martin	130
"	Johnson	110
"	Rittenhouse	100
		220
		700

FEB 14 1958

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium)
Carroll W. Wells, et al.
Montana Special Claims
Lemhi County, Idaho

Dear Mr. Weissenborn:

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

Enclosed are copies of memoranda, dated February 3 and 5, 1958, by James Paone, USBM, and M. E. Nelson, USGS, respectively, relating to the application. Also enclosed, for Field Team use, is one copy of the application.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (HB)

Enclosures

FMMurphy/gla
2-12-58
cc to: Admr.'s Reading File
Operating Committee
THKiilsgaard, 5224
FMMurphy

APPROVED:

Frank D. Lamb (HB)

Member, Bureau of Mines

Thor H. Kiilsgaard (HB)

Member, Geological Survey

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2-7	Murphy	700
2-7	Ellis	700
2/14	Martin	130
"	Brown	110
"	Montgomery	100
2/14	Lamb	130
2/14	Lagomarsino	130
2/18	[illegible]	220
		700

FEB 14 1958

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Re: Docket No. DMEA-4932 (Thorium, rare earths, rutile, columbium)
Montana Special Claims
Lemhi County, Idaho

Dear Mr. Wells:

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

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy/izm 2-7-58
cc: Mr. Murphy
Admr.'s Reading File
DMEA FT Reg. I (2)

close to highway; near other projects

8623

IN REPLY REFER TO:

ORIGINAL FILE COPY
DMEA
RECEIVED FEB 6

DATE	INITIALS	CODE
2-6	C	220
"	~~EWE~~	700
	FMM	
Completed		

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

February 5, 1958
Re: DMEA 4932
Carroll W. Wells
Montana Special property
Lemhi County, Idaho
$17,500.00 - Thorium, rare earths, etc.

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring, by trenching and underground work, a vein in a breccia filled fault zone in quartzite.

The vein has been opened by 7 short trenches in the overburden with a few shots put into the solid rock. No samples have been taken and no assays run, but according to the application, thorium, rare earth, and columbium minerals and rutile have been identified.

It might be well to have some of the so-called ore sent to the Field Team for appraisal.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 4

DATE	INITIALS	CODE
2/4	C	220
"	FMM	700

February 3, 1958

4932

Thorium
Carroll W. Wells
Montana Special
Lemhi, Idaho
$7,500.00

Ernest William Ellis, DMEA Member
Uranium Commodity Committee
James Paone, Bureau of Mines Member
Uranium Commodity Committee

Application

[illegible]

It does not appear that the applicant may be able to supply additional information. Since the DMEA has men in the general area on other projects, perhaps they could visit the subject property. Referral is recommended.

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

February 3, 1958

Mr. Carroll W. Wells
Box 541
Salmon, Idaho

Dear Mr. Wells

Subject: DMEA-4932

Your application for exploration assistance, dated January 27, 1958 submitted to our office at Spokane, Washington has been assigned Docket Number DMEA-4932 and referred to the Rare and Miscellaneous Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

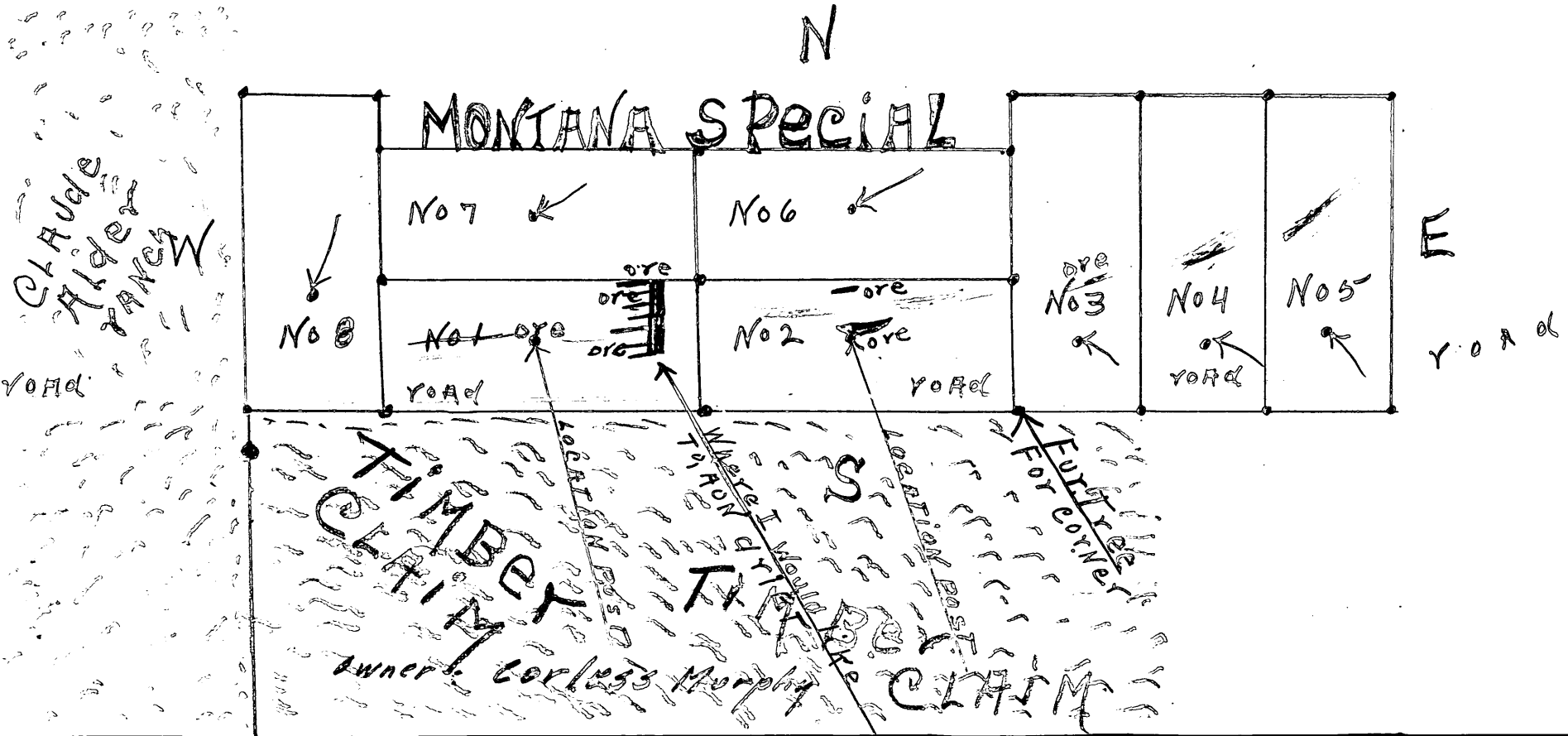
Sincerely yours,

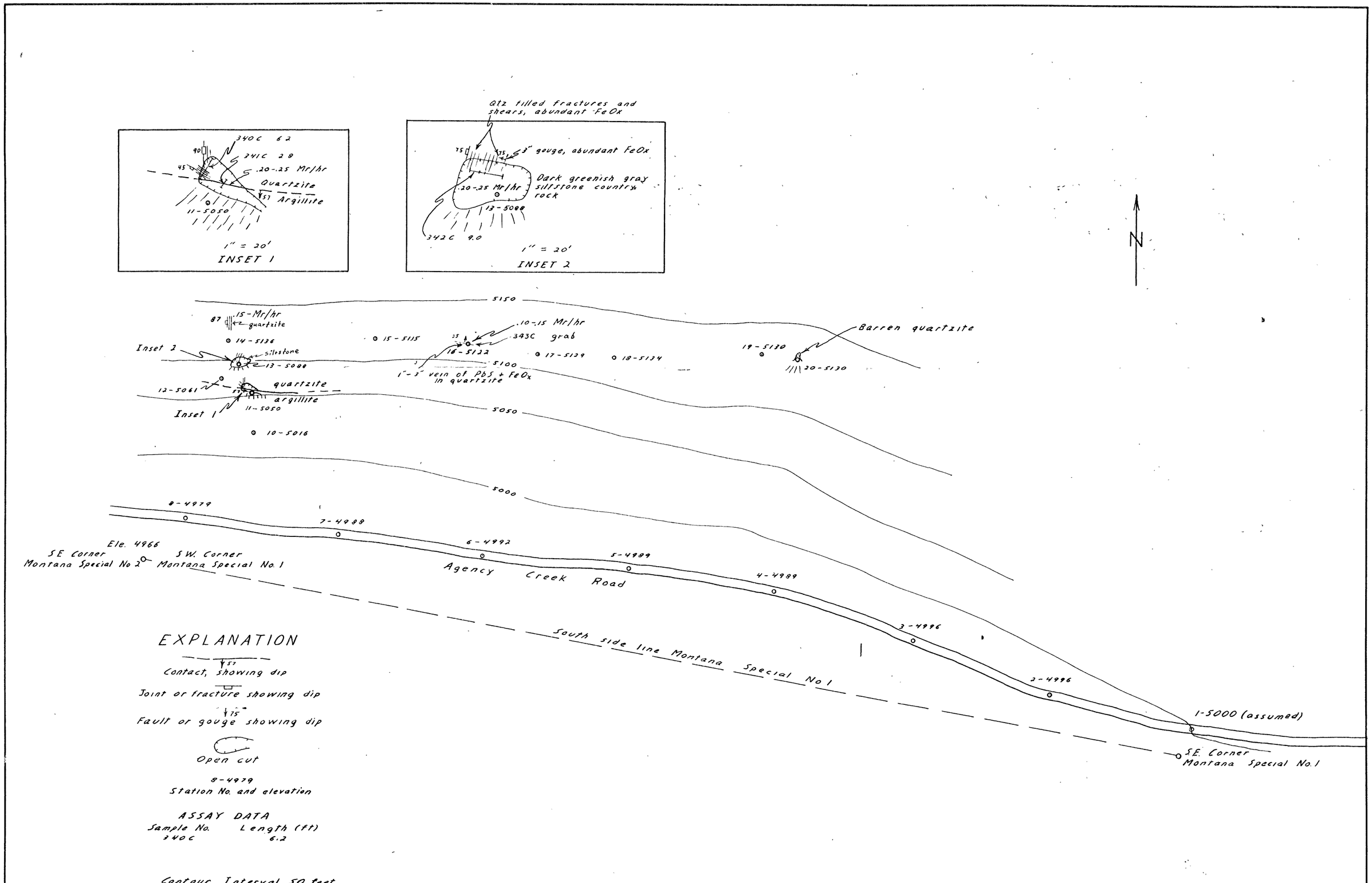
Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region I

NW. Cor. Sec 27
and NE. Cor. Sec 28 } T. 19 N., R. 24 E.




340C 6.2
341C 2.8
.20-.25 Mr/hr
Quartzite
Argillite
11-5050
1" = 20'
INSET 1
Qtz filled fractures and shears, abundant FeOx
3" gouge, abundant FeOx
Dark greenish gray siltstone country rock
.20-.25 Mr/hr
13-5088
342C 9.0
1" = 20'
INSET 2
N
5150
.15-Mr/hr
quartzite
14-5136
Inset 2
siltstone
13-5088
12-5061
quartzite
argillite
Inset 1
11-5050
10-5016
15-5115
.10-.15 Mr/hr
343C grab
16-5122
1"-3" vein of PbS + FeOx in quartzite
17-5129
18-5134
19-5130
20-5130
Barren quartzite
5100
5050
5000
9-4979
7-4988
6-4992
5-4989
4-4989
3-4996
2-4996
1-5000 (assumed)
Ele. 4966
S.E. Corner Montana Special No 2
S.W. Corner Montana Special No. 1
Agency Creek Road
South side line Montana Special No 1
S.E. Corner Montana Special No. 1
EXPLANATION
Contact, showing dip
Joint or fracture showing dip
Fault or gouge showing dip
Open cut
8-4979
Station No. and elevation
ASSAY DATA
Sample No. Length (ft)
340C 6.2
Contour Interval 50 feet
Datum Assumed
Surveyed by Brunton and tape
GEOLOGIC MAP
OF PART OF THE
MONTANA SPECIAL CLAIMS
Carroll W. Wells, et al
Lemhi County Idaho
100 50 0 100 200 FEET
H.F. ALBEE
March, 1958
PLATE 1
Traverse by H.F. Albee and W.M. Romischer 3/58
Geology by H.F. Albee