DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

Idm-E NO._____

DMEA NO. 4830

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- [ ] Withdrawn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:

Left Side

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

Right Side

- [ ] Project summary (final)
- [ ] Work Comoleted analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [ ] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

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

Right Side

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

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

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

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

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 16 1957
DATE | INIT. | CODE

September 11, 1957

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

Re: New Application ~~(Selenium)~~
Ruby Company
Bloomington Canyon
Bear Lake County, Idaho

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for DMEA aid to explore for selenium in Bear Lake County, Idaho. Ruby Company, a wholly owned subsidiary of J. R. Simplot Company, proposes to rehabilitate and sample three caved tunnels. The work is estimated to require 800 feet of cleaning out tunnels, 800 feet of timbering, and cutting and assaying 160 samples at a total cost of $13,176.00, of which the Government's share would be $9,882.00.

We had heard that this application would be coming in, and wrote to David F. Davidson, Geologist, U. S. Geological Survey, who is working on selenium reserves of the United States to learn what information he might have on this property. A copy of his reply is attached.

J. Bruce Clemmer, Superintendent of the U. S. Bureau of Mines Intermountain Experiment Station, Salt Lake City, Utah, has taken many samples in the Bloomington Canyon area. The Spokane Bureau of Mines office does not yet have any of the assay results.

Sincerely yours,

Donald R. MacLaren

Donald R. MacLaren
Alternate Acting Exec. Officer
DMEA Field Team, Region I

Enclosures

cc: USBM (2)
Geologist

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Mineral Deposits Branch
6 HOMEWOOD PLACE
MENLO PARK, CALIFORNIA

August [illegible] 1945

[illegible]

Maclaren
[illegible]gical Survey
[illegible] Howard Street
[illegible] Washington

Dear [illegible]

Your letter of August [illegible] Menlo Park [illegible] happens I am [illegible] area [illegible] back to Denver. I [illegible] analyzers [illegible] area but no results have [illegible] of Minee [illegible] has taken a number of samples [illegible] and some contain [illegible]

It is my personal [illegible] of making a [illegible] discovery of selenium [illegible] excellent--better [illegible] than any other area known to me.

I will talk to McKelvey in Soda Springs in a week or so [illegible] may be that we will be able to put together an off-the-cuff memorandum telling you what we know about the area.

Best [illegible]

D. F. Davidson

DFD:B

Form MF—103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED SEP 9 1957 U.S.G.S. SPOKANE, WASH.

RECEIVED SEP 16 1957 D.M.E.A. WASHINGTON

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)

Ruby Company
212 Continental Bank Building
P. O. Box 2777
Boise, Idaho

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA- 4830
Date Received: 9-16-57
Government Participation %:
Region: I NW
Division Code: 600

BUSINESS ORGANIZATION (Check one)

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

State in which firm is organized: Utah

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
J. R. Simplot	Continental Bank Bldg.	President
John M. Dahl	" " "	Vice-Pres. & Treas.
L. E. Haight	" " "	Secretary

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

Estimated Cost of Project: $ 13,176.00

LOCATION OF PROPERTY

Name	County	State
Bloomington Canyon,	Bear Lake Cty,	Idaho

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order—I, Amended, "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.

September 5, 1957
Dated

BY (Signature)
J. R. Simplot
President
Title

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

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

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

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

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

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

2. *Physical Description:*

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

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

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

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

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

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

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

3. *Accessibility of Project:*

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

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

4. *The Exploration Project:*

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

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

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

5. *Experience:*

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

6. *Estimate of Costs:*

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

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

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

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

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

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

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

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

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

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

(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. 15539

August 22, 1957

BLOOMINGTON CANYON

1. (a) Property consists of 14 unpatented lode claims, Jo Nos. 1 thru 14, located in Section 21, T. 14 S., R. 43 E., Boise B & M, and recorded in Book 5, Pages 327, 328, 329, 330, 331, 332, 333, 334, and 335., Bear Lake County Recorder's Office, Paris, Idaho.

   (b) Bloomington Canyon

   (c) Locator of Claims

   (d) None

2. (a) Three adits, totaling approximately 1,150 feet. All are caved at the portals and are inaccessible at present. Four trenches, and one small open pit. No production facilities.

   (b) Past work was done by the Wyodak Coal and Mfg. Co., agent for the Metals Reserve Company.

   (c) Unknown

   (d) Unknown

   (e) See Sheet 1, Map MF 41, U.S.G.S.

   (f) Selenium was found in samples

   (g) (Map MF 41) Sheets 1 and 4.

3. (a) S. A. Robinson, c/o Ruby Company, P. O. Box 2777, Boise, Idaho. Property reached from Montpelier, Idaho, by following U. S. 89 west and south for 11 miles to Bloomington, Idaho, thence west two miles up Bloomington Canyon. Property adjoins road on north side of canyon.

(b) Nearest supply point is Montpelier, approximately 13 miles distant.

4. (a) It is proposed to reopen the 12S adit, and the 14S and 16S inclines for a total distance of approximately 800 feet and sample them for the purpose of determining the selenium content of the phosphoria formation as exposed in those workings.

All three tunnels are caved at the portal, and because it is impossible to tell their condition underground, it is proposed to do this work on a unit-cost basis as follows: *

Opening Tunnels (800 Ft.) $6.346/ft.--	$ 5,076.99
Timbering (800 ft.) $8.697/ft. ---	6,957.87
Sampling & Assaying (160 Samples)$7.132/sa.-	1,141.14
	$13,176.00

* See Schedule A for breakdown of unit cost.

(b) None

(c) Start immediately. At approximately 10 feet per shift for two-man crew, with three to six crews depending upon availability of miners, the work should be completed within 60 to 90 days.

5. The Ruby Company is a wholly owned subsidiary of the J. R. Simplot Company, whose mining staff will supervise the Bloomington project. The J. R. Simplot Company has been operating both surface and underground mines over a period of years, and is at this time operating two large open-pit phosphate mines, a barite property and a silica property aggregating in ore tonnages close to a million tons per annum.

   The project will be under the direct supervision of S. A. Robinson, who has five years experience as a miner and shift boss in underground operations. This includes experience in both hard rock and heavy timbered ground. He is a graduate geologist (University of Washington), with B. S. degree in geology, and has six years experience as resident engineer and exploration geologist with the J. R. Simplot Company, which is the holding company of the Ruby Company.

6. (a) None

(b)

Miners at $18 per shift: 100 man-shifts	$1,800.00	
Muckers at $14/shift: 100 man-shifts	1,400.00	
Shift Boss at $703.33/mo: 3 months	2,110.00	
Sampler at $14/shift: 30 shifts	420.00	
Engineering & Office : 1 man at $750/mo. 2 months	1,500.00	
		$ 7,230.00

All labor will be available.

(c)

Timber: 160 sets at $20/set	$3,200.00	
Fuel and Oil	450.00	
Small Tools	100.00	
		$ 3,750.00

(d) Equipment Rental:

Compressor (105-$190/mo) -2 mo.	$ 380.00	
Slusher (24") $135/mo - 2 mo.	270.00	
Mine Car (1 ton) at $30/mo - 2 mo.	60.00	
Mine Rail 500 ft. at $30/mo - 2 mo.	60.00	
		$ 770.00

(e) None

(f) None

(g) Cables for Slusher	$ 220.00	
Assaying: 160 Samples at $3.00	480.00	
Payroll Taxes, Accounting, Etc.	674.00	
Sample Sacks and Freight	52.00	
		$ 1,426.00
		$13,176.00

7. (a) Yes

(b) Furnish money for 25% of total cost -$3,294.00.

SCHEDULE A

OPENING TUNNELS			
Mucking	$1,600.00		
Supervision	1,100.00		
Equip. Rental	770.00		
Fuel	450.00		
Small Tools	100.00		
Cables (for slusher)	220.00		
* Overhead	836.99		
		$5,076.99	$6.346/Ft.
TIMBERING			
Labor	$1,600.00		
Supervision	1,010.00		
Timber	3,200.00		
* Overhead	1,147.87		
		$6,957.87	$8.697/Ft.
SAMPLING			
Labor	$ 420.00		
Assaying	480.00		
Sacks	27.00		
Freight	25.00		
* Overhead	189.14	$1,141.14	$7.132/Sample
TOTAL		$13,176.00	

* OVERHEAD - Distributed proportionately between above headings.

Engineering and Office	$1,500.00
Taxes, Accounting	674.00
	$2,174.00

J. R. SIMPLOT CO.
BOISE, IDAHO

September 5, 1957

File - Idaho Selenium
Bloomington Canyon

Mr. A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

Dear Mr. Weissenborn:

Attached hereto is Application for Aid in Exploration Project to which is attached data sheets covering the proposed project.

All for your consideration.

Cordially,

George A. McHugh
Manager of Mines

GAM:je

Enclosures

Received
certified mail
Sep 9, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 21 1957

DATE	INITIAL	CODE
10/21	C	220
10/21	Hook	600
		225

J. R. SIMPLOT COMPANY
GENERAL OFFICES
CONTINENTAL BANK BUILDING
BOISE, IDAHO

October 15, 1957

Re; Docket No. DMEA-4830-
Selenium
Ruby Company
Bloomington Canyon
Bear Lake County Idaho

Mr. C. O. Mittendorf
Administrator
U. S. Department of Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Dear Mr. Mittendorf:

This will acknowledge receipt of your letter dated October 2, advising that our DMEA application has been denied.

Cordially,

Geo. McHugh
George A. McHugh
Manager of Mines

GAM:je

Signed in absence
of George McHugh

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

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE
10/14	C	220
10/14	ara	600
		225

October 8, 1957

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

Re: Docket No. DMEA-4830 (Selenium)
Ruby Company
Bloomington Canyon
Bear Lake County, Idaho

Dear Mr. Selfridge:

Enclosed are two copies of a memorandum commenting on the selenium occurrence in the Paris-Bloomington Canyon area prepared by the Division of Mineral Technology, U. S. Bureau of Mines, Region III for the Chief, Spokane Field Office.

Although the application has already been denied, we are forwarding this memorandum for your files in case the applicant reopens the tunnels and presents another proposal.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: USBM (2)
Alvord

So. 157 Howard Street
Spokane 4, Washington

October 8, 1957

EXTRA COPY
DMEA
RECEIVED OCT 14 1957

DATE	INITIALS	CODE

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Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

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Sincerely yours,

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

Enclosures

cc: USBM (2)
Alvord

DMEA 4S1C)

RECEIVED
BUREAU OF MINES
SEP 27 1957
SPOKANE, WASH.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

INTERMOUNTAIN
EXPERIMENT STATION

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY, UTAH

September 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED OCT 14 1957
FILE INITIALS CODE

Memorandum

To: Chief, Spokane Field Office, Spokane, Washington

From: Chief, Division of Mineral Technology, Region III

Subject: DMEA application (selenium), Ruby Co., Bloomington Canyon, Bear Lake County, Idaho

Reference is made to your memorandum of September 13 concerning the subject DMEA application.

Investigations were made at the 14 S, 16 S, and Consolidated mines and at a Metals Reserve Co. vanadium stockpile in Bloomington and Paris Canyons. The mine locations are shown on U.S.G.S. Mineral Investigations Field Studies Map MF 41 (sheet 4 of 4).

The Phosphoria formation does not appear to be a commercial source of selenium under present economic conditions, but the long range possibility may be extremely significant. Information we have at present is inconclusive, thus the proposal of opening the adits and sampling them for selenium has certain merit.

The assay results from samples taken in Paris and Bloomington Canyons are listed as follows:

Mine	Sample No.	Location	Thickness, feet	Percent Se	Percent V_2O_5
14 S	1	SW corner of dump	2.0	0.011	
	2	Above No. 1	3.0	.016	
	3	SE corner of dump	2.0	.077	
	4	Above No. 3	3.0	.058	
	5	East side about center of dump	2.0	.027	0.80
	6	Above No. 5	2.0	.019	.98
	7	Above No. 6	2.0	.017	.69
	8	Above No. 7 (contains sulfur)	1.0	.013	.55
	9	Above No. 8 at top of dump	1.5	.014	.45

Mine	Sample No.	Location	Thickness, feet	Percent Se	Percent V_2O_5
16 S	1	Top of dump near S edge	5.0	0.030	
	2	Center of S end of dump near ground level	3.0	.001	
	3	Above No. 2	3.5	.013	
	4	S edge of dump near top	3.0	.017	
	5	SE edge of dump near bottom	2.2	.014	
Consolidated	1-17	Channel cuts in drift	75.0	<.001	
	18	Grab on dump	-	.054	
Paris stockpile	1	N end cut	8.0	.019	0.74
	2	W end cut	10.0	.034	.73
	3	E end cut	15.0	.012	.48
	4	S end cut	15.0	.008	.90

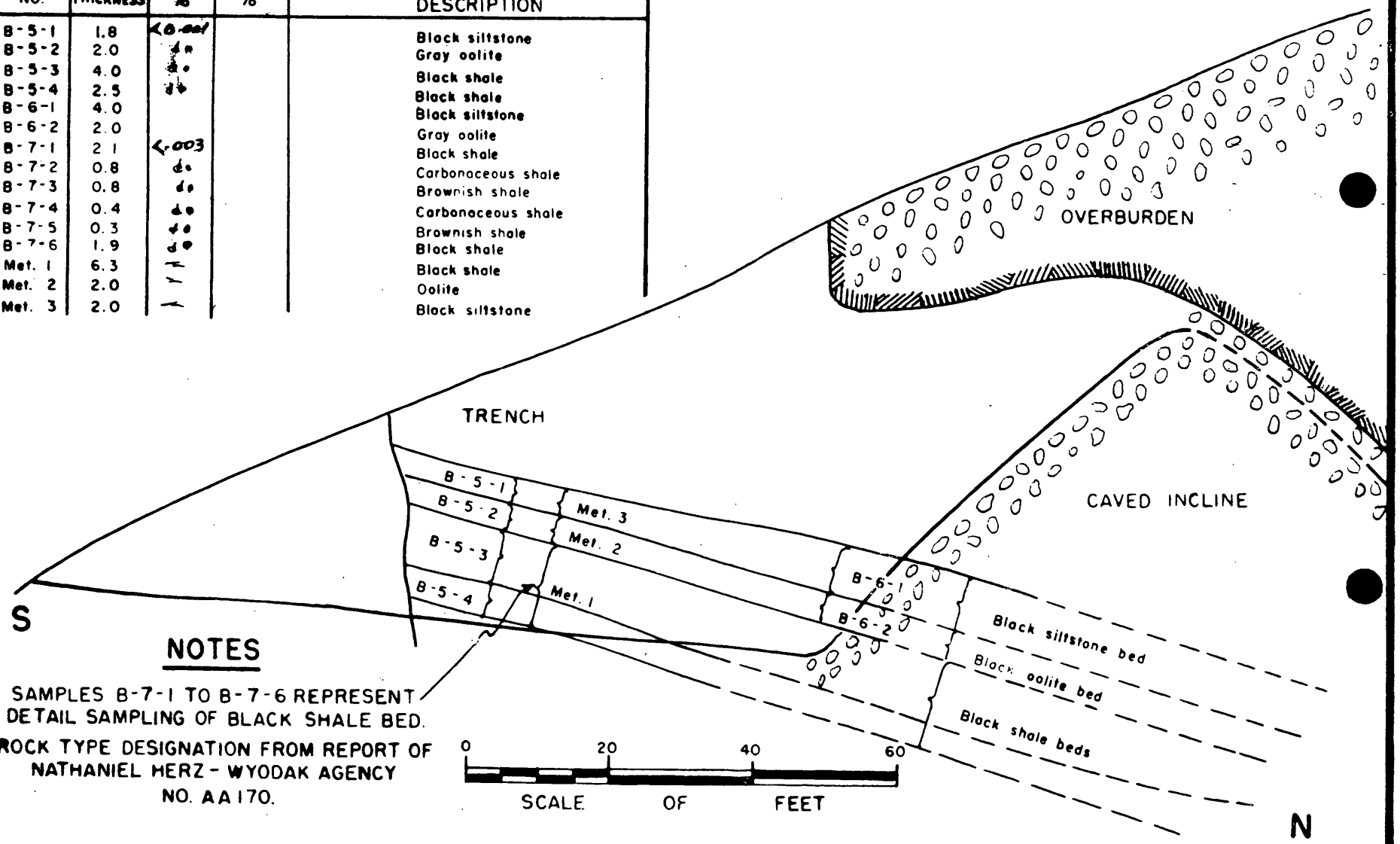
Nine samples were taken in the quarry below 14 S adit and all assayed less than 0.001 percent selenium. One sample taken at random on 14 S dump assayed 0.146 percent selenium.

We have copies of the Wyodak Coal Co. reports covering the Paris-Bloomington area. If you do not have copies and wish them, please advise. Pulps of samples taken for vanadium determination by Wyodak Coal Co. have been destroyed.

J. Bruce Clemmer

J. Bruce Clemmer

SAMPLE NO.	BED THICKNESS	SE %	V_2O_5 %	BED DESCRIPTION
B-5-1	1.8	<0.001		Black siltstone
B-5-2	2.0	do		Gray oolite
B-5-3	4.0	do		Black shale
B-5-4	2.5	do		Black shale
B-6-1	4.0			Black siltstone
B-6-2	2.0			Gray oolite
B-7-1	2.1	<.003		Black shale
B-7-2	0.8	do		Carbonaceous shale
B-7-3	0.8	do		Brownish shale
B-7-4	0.4	do		Carbonaceous shale
B-7-5	0.3	do		Brownish shale
B-7-6	1.9	do		Black shale
Met. 1	6.3	—		Black shale
Met. 2	2.0	—		Oolite
Met. 3	2.0	—		Black siltstone



NOTES

1) SAMPLES B-7-1 TO B-7-6 REPRESENT DETAIL SAMPLING OF BLACK SHALE BED.

2) ROCK TYPE DESIGNATION FROM REPORT OF NATHANIEL HERZ - WYODAK AGENCY NO. AA 170.

Sample map Incline 16 S Bloomington Canyon, Idaho, December, 1956.

F. L. W.

800 - 49 - G

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

INTERMOUNTAIN
EXPERIMENT STATION

1600 EAST 1ST SOUTH STREET
SALT LAKE CITY, UTAH

RECEIVED
BUREAU OF MINES
SEP 27 1957
SPOKANE, WASH.

September 25, 1957

EXTRA COPY
DMEA
RECEIVED OCT 7 1957
DATE | INITIALS | CODE

Memorandum

To: Chief, Spokane Field Office, Spokane, Washington

From: Chief, Division of Mineral Technology, Region III

Subject: DMEA application (selenium), Ruby Co., Bloomington Canyon, Bear Lake County, Idaho

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The assay results from samples taken in Paris and Bloomington Canyons are listed as follows:

Mine	Sample No.	Location	Thickness, feet	Percent Se	Percent V_2O_5
14 S	1	SW corner of dump	2.0	0.011	
	2	Above No. 1	3.0	.016	
	3	SE corner of dump	2.0	.077	
	4	Above No. 3	3.0	.058	
	5	East side about center of dump	2.0	.027	0.80
	6	Above No. 5	2.0	.019	.98
	7	Above No. 6	2.0	.017	.69
	8	Above No. 7 (contains sulfur)	1.0	.013	.55
	9	Above No. 8 at top of dump	1.5	.014	.45

Mine	Sample No.	Location	Thickness, feet	Percent Se	Percent V_2O_5
16 S	1	Top of dump near S edge	5.0	0.030	
	2	Center of S end of dump near ground level	3.0	.001	
	3	Above No. 2	3.5	.013	
	4	S edge of dump near top	3.0	.017	
	5	SE edge of dump near bottom	2.2	.014	
Consolidated	1-17	Channel cuts in drift	75.0	<.001	
	18	Grab on dump	-	.054	
Paris stockpile	1	N end cut	8.0	.019	0.74
	2	W end cut	10.0	.034	.73
	3	E end cut	15.0	.012	.48
	4	S end cut	15.0	.008	.90

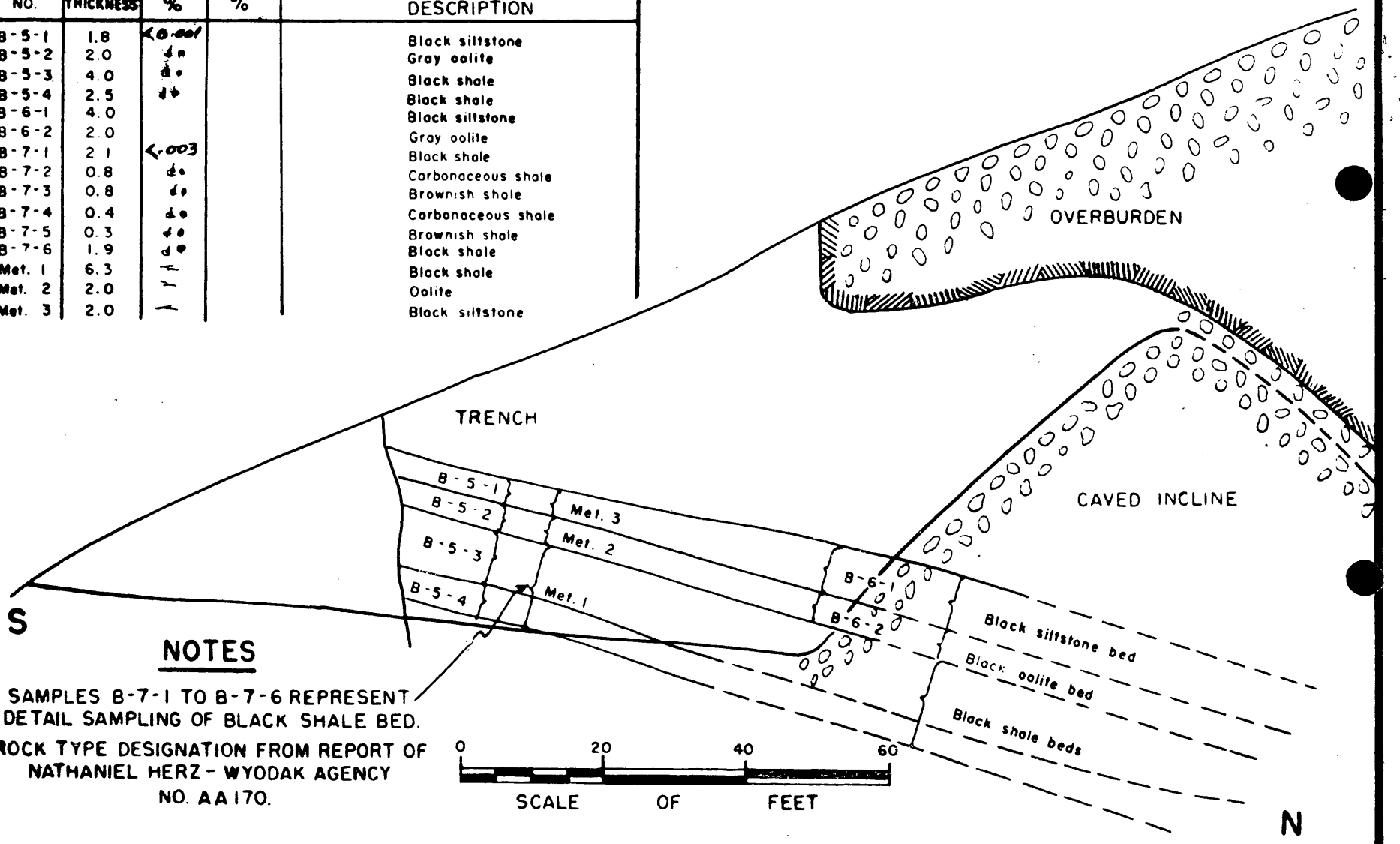
Nine samples were taken in the quarry below 14 S adit and all assayed less than 0.001 percent selenium. One sample taken at random on 14 S dump assayed 0.146 percent selenium.

We have copies of the Wyodak Coal Co. reports covering the Paris-Bloomington area. If you do not have copies and wish them, please advise. Pulps of samples taken for vanadium determination by Wyodak Coal Co. have been destroyed.

J. Bruce Clemmer

J. Bruce Clemmer

SAMPLE NO.	BED THICKNESS	SE %	V_2O_5 %	BED DESCRIPTION
B-5-1	1.8	<0.001		Black siltstone
B-5-2	2.0	do		Gray oolite
B-5-3	4.0	do		Black shale
B-5-4	2.5	do		Black shale
B-6-1	4.0			Black siltstone
B-6-2	2.0			Gray oolite
B-7-1	2.1	<.003		Black shale
B-7-2	0.8	do		Carbonaceous shale
B-7-3	0.8	do		Brownish shale
B-7-4	0.4	do		Carbonaceous shale
B-7-5	0.3	do		Brownish shale
B-7-6	1.9	do		Black shale
Met. 1	6.3			Black shale
Met. 2	2.0			Oolite
Met. 3	2.0			Black siltstone



NOTES

1) SAMPLES B-7-1 TO B-7-6 REPRESENT DETAIL SAMPLING OF BLACK SHALE BED.

2) ROCK TYPE DESIGNATION FROM REPORT OF NATHANIEL HERZ - WYODAK AGENCY NO. AA 170.

Sample map Incline 16 S Bloomington Canyon, Idaho, December, 1956.

F. L. W.

800 - 49 - G

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
10/2	Anderson	600
10/2	Houk	600
10/2	Selfridge	130
/	Yoder	130
	Williams	130
	Norman	110
	Mittendorf	100
10/3	B	220
		225

600

OCT 2 1957

Ruby Company
212 Continental Bank Building
P. O. Box 2777
Boise, Idaho

Re: Docket No. DMEA-4830-Selenium
Ruby Company
Bloomington Canyon
Bear Lake County, Idaho

Gentlemen:

Your application for aid for an exploration project at the subject property has been reviewed. The review shows that the proposed project consists solely of the rehabilitation and sampling of three adits for the purpose of determining the selenium content of the Phosphoria formation exposed therein. As it is not DMEA policy to participate in rehabilitation and sampling projects as such, we regret to inform you, under the circumstances, that your application is denied.

Should you rehabilitate and sample the adits and then wish to further explore significant selenium showings, please be assured that a new application will be given careful consideration by DMEA. A new application should refer to the present docket and include all new information disclosed by the rehabilitation and sampling.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

GCSelfridge:gad 10/2/57
Copy to: Admr. R. File
Operating Committee
Field Team, Region I
Mr. Kiilsgaard, 5222
Mr. Baroch, 3647
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
9/30	Anderson	600
9/30	Houk	600
		110
		100
		220

600

September 30, 1957

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application - Docket No. DMEA-4830-Selenium
Ruby Company
Bloomington Canyon
Bear Lake, Idaho

Denial of application is recommended.

Proposed by Applicant: Reopen an adit and inclines for a distance of approximately 800 feet, and sample for the purpose of determining selenium content of a phosphoria formation.

Amount requested:

Opening 800 feet of adit and inclines @ $6.346/ft.	$5,076.99
Timbering 800 feet of adit and inclines @ $8.697/ft.	6,957.87
Sampling and assaying 160 samples @ $7.132/sample	1,141.14
	$13,176.00

Comments: The proposed program of rehabilitation and sampling does not meet the Government criteria, therefore, under the circumstances, the Government has no other choice than to deny the application.

Recommendations:

1. The Division of Nonmetallic Minerals recommends denial of the application without prejudice to the merits of the property.

2. The Bureau of Mines recommends referral to the field, but suggests that since the proposed project is essentially a sampling operation, that similar data could probably be obtained from "refuse piles" lying around near the operations.

3. The Geological Survey recommends referral to the Field Team.

Walter C. Anderson
Walter C. Anderson
Division of Nonmetallic Minerals

WCAnderson:rsi 9/30/57
Copy to: Admr. R. File
Mr. Houk

8623

IN REPLY REFER TO:

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

September 25, 1957
Re: DMEA 4830
Ruby Company
Bloomington Canyon
Bear Lake County, Idaho
$13,176.00 - Selenium

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in rehabilitating and sampling three caved tunnels opened on phosphoria beds.

Presumedly the proposed work will enable an examination for selenium and phosphate rock.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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DMEA
RECEIVED SEP 1957

DATE		CODE
9/26	B	220
9/27	Houk	600

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DMEA
RECEIVED SEP 24 1957

DATE	INITIALS	CODE
9/24	C	220
9/25	Houk	600

September 23,, 1957

4830

Selenium
Ruby Company
Bloomington Canyon
Bear Lake County, Idaho
$13,176.00

Lawrence G. Houk, DMEA Member
Selenium Commodity Committee
C. T. Baroch, Acting Chief
Branch of Rare and Precious Metals

C. T. Baroch

Application

9/11/57

9/20/57

Proposed project is essentially a sampling operation; the applicant could probably gather similar data from refuse piles lying around near the operations. It is suggested that the field team contact J. Bruce Clemmer at Salt Lake City for further information on samples taken in the Bloomington Canyon area.

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

September 17, 1957

Ruby Company
212 Continental Bank Building
P. O. Box 2777
Boise, Idaho

Subject: DMEA 4830

Gentlemen:

Your application for exploration assistance, dated September 5, 1957 submitted to our office at Spokane, Washington has been assigned Docket Number 4830 and referred to the Non Metallics Minerals 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