DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1555x

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Routing Slip

To Adm. Mang. Div. Date 9-26-51

To: REPORTS AND RECORDS Date SEP 26 1951

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INT.-DUP. SEC., WASH., D.C. 98868

FILE COPY
SURNAME:

Bourret
McKnight for Rose
Moore

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

June 19, 1951

docket mailed 6/21/51

Mr. George Feltner, Secretary
Slavonia Development Company
Box 4207, South Denver Station
Denver 9, Colorado

Dear Mr. Feltner:

Your application Docket DMA-1555x for exploration project in the amount of $100,000 has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team IV, Mr. J. H. Nast, Jr., 224 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Yours very truly,

Tom Lyon, Director
Supply Division

WBourret/mh

cc: Adm. Read. File
Strobel
Lyon
Bourret
Field Team, IV
Files

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

FILE C
SURN.

Bourret

AIR MAIL

June 18, 1951

Mr. George Feltner, Secretary
Slavonia Development Company
P. O. Box 4207 South Denver Station
Denver 9, Colorado

Re: DMA docket 1555x

Dear Mr. Feltner:

I wish to acknowledge and thank you for your letter of June 6, 1951 transmitting report on the Ace High Mining Property, Routt County, Colorado. Please be advised that we are attaching this material to your docket as requested in your letter.

Yours very truly,

Weston Bourret M.N.

Weston Bourret, Chief
Minor and Rare Metals Branch

WBourret/bf
cc: Adm. Reading File
Strobel
Thayer, U. S. G. S.
Davis, rm. 3519
Field Team IV (2)
Bourret
Files

856

dma - 1555 X
ans. 6-18-51
W. Bennet

Slavonia Development Company

OFFICES
Box 4207 South Denver Station, Denver 9, Colorado
Steamboat Springs, Colorado
Hayden, Colorado

June 6, 1951

U. S. Department of the Interior
Defense Minerals Administration
Washington, D. E.

Gentlemen:

An application for a mining loan under your administration was sent to you recently through your local office for the SLAVONIA DEVELOPMENT COMPANY.

At the time of submitting this application we were unable to get the enclosed report, to which we refer in several instances in the application.

If you will see to it that this report is considered along with the application, it will be greatly appreciated.

Very truly yours

SLAVONIA DEVELOPMENT COMPANY

George Feltner

GF/sa

George Feltner, Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 11 1951
LAWSON R. SPENCER
Executive Secretary

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ~~ADMINISTRATION~~ EXPLORATION
WASHINGTON 25, D. C. 210

DEC 4 1951

Mr. George Feltner, Secretary
Slavonia Development Company
Box 4207 South Denver Station
Denver 9, Colorado

Re: DMA Docket 1555X

My dear Mr. Feltner:

This will acknowledge your letter dated November 21, 1951, addressed to Mr. Tom Lyon, requesting the return of certain papers filed in connection with your application for exploration project assistance, DMA Docket 1555X.

There are enclosed the papers which you requested.

Sincerely yours,

SIGNED

Robert E. Adams, Acting
Administrative Officer

R.N.
12-4

Enclosures

READAMS/hb

Copy to: Docket & Control Branch
DMA Files

BL

EXPLORATION

210

DEC 4 1951

Mr. George Feltner, Secretary
Slavenia Development Company
Box 4207 South Denver Station
Denver 9, Colorado

Re: DMA Docket 1555X

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SIGNED

Robert E. Adams, Acting
Administrative Officer

Enclosures

READAMS/hb

Copy to: Docket & Control Branch
DMA Files

DEPARTMENT OF THE INTERIOR
RECEIVED
NOV 30 1951
Defense Minerals Administration
Production Expansion Division

Slavonia Development Company

OFFICES
Box 4207 South Denver Station, Denver 9, Colorado
Steamboat Springs, Colorado
Hayden, Colorado

Minerals entered by Edwards 12/4/51 [illegible]

November 21, 1951

Mr. Tom Lyon, Director
Supply Division
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Lyon: DMA docket 1555x - URANIUM

Since our application for a loan was denied us, we would like to have returned to us all the maps, booklet and other data submitted with our application.

We feel, however, that by next summer we will have uncovered sufficient evidence to warrant a loan to develop our zinc, lead and uranium property.

If, at that time, your department can help us --- and in event that private capital cannot be induced to develop this new region -- we may call upon you again.

Sincerely

George Feltner

Slavonia Development Company
George Feltner, Secretary

GF/sa

DEFENSE MINERALS ADMINISTRATION WASHINGTON, D.C.
NOV 26 11 43 AM '51

330

FILE COPY
SURNAME:

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

Gordon
Bourret
Hosted
Houser

SEP 27 1951

a.E.S.

Mr. George Feltner, Secretary
Slavonia Development Company
Box 4207 South Denver Station
Denver 9, Colorado

Re: Slavonia Development Company
Routt County, Colorado
Uranium - DMA docket 1555X

Dear Mr. Feltner:

Your application of May 15, 1951, for an exploration loan in the amount of $100,000, has been carefully reviewed by the Minor and Rare Metals Branch of the Supply Division.

We regret to advise that your application must be denied at this time because of insufficient evidence to indicate the geologic probability of making a significant discovery.

Should evidence obtained in the future be of such nature as to alter this opinion, we would gladly consider a new application.

Yours very truly,

Tom Lyon BJ 9/27

Tom Lyon, Director
Supply Division

EGordon/ch 9-21-51
cc: Adm. Reading File
Lyon
Records and Reports
Bourret
Keiser - USGS
Hosted
Field Team IV
DMA docket file

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

not stripped in RAR.

SEP 26 1951

Weston Bourret

Tom Lyon

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

not stripped in RTR.

Memorandum

To: [illegible] Division SEP 26 1951

Through: [illegible], Supply Division

From: [illegible] Metals Branch

Subject: [illegible] Exploration Company [illegible], File [illegible] - [illegible] Docket 1[illegible]

[illegible] dated [illegible] 1, 1951 [illegible] Corporation, [illegible] Exploration Company, [illegible], [illegible] Corporation, [illegible], [illegible], [illegible] submitted the subject application, [illegible], for an exploration loan in the amount of [illegible].

Attached hereto and letter of even date addressed to applicant denying the application because of insufficient evidence to indicate the probable availability of making a significant discovery.

[illegible] below the [illegible] in the [illegible] Branch, [illegible] as follows:

[illegible] Section 2 from [illegible] dated [illegible] 1951 [illegible].

[illegible] report, [illegible] laboratory report [illegible] 1951.

[illegible] report.

[illegible] Instructions.

Weston Bourret

[illegible]
[illegible] and Metals Branch

Concurred:

Tom Lyon

[illegible]/[illegible] 9-1-1
[illegible]
Lyon
Bourret
[illegible] - [illegible] - [illegible] - [illegible] - [illegible] File

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

SEP 26 1951

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Slavonia Development Company - Routt County, Colorado
Uranium - DMA docket 1555X

Under date of May 15, 1951 Mr. George Feltner, Secretary, Slavonia Development Company, Box 4207, South Denver Station, Denver 9, Colorado submitted the subject application, DMA 1555X, for an exploration loan in the amount of $100,000.

Attached hereto find letter of even date addressed to applicant denying the application because of unsufficient evidence to indicate the geologic probability of making a significant discovery.

We herewith return the complete docket, comprised as follows:

(a) Letter of June 28 from Field Team IV attaching brochure and DMA review; letter from applicant dated May 29, 1951 with two copies of application.

(b) Assay certificate report, map and laboratory report of August 15, 1951.

(c) One copy Field Team report.

(d) Report by W. C. Patterson.

Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals Branch

Approved:

Tom Lyon

Director, Supply Division

FILE COPY
SURNAME:

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

not stripped in RRR.

SEP 26 1951

Gordon
Bourret
Hosted
Keiser

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Slavonia Development Company - Routt County, Colorado
Uranium - DMA docket 1555X

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Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals Branch

Approved:

Tom Lyon

Director, Supply Division

EGordon/ch 9-21-51
cc: Adm. Reading File
Lyon
Bourret
Keiser - USGS - Hosted - Field Team IV - DMA file

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

224 New Customhouse
Denver, Colorado

Air Mail

September 11, 1951

Memorandum

To: Executive Secretary, Defense Minerals Administration

From: DMA Field Team, Region IV

Subject: DMA Docket 1555X, Ace High Claims, Slavonia Development Company, Routt County, Colorado

Enclosed are original and two copies of the above report.

The geologist recommends that the application for an exploration grant be denied. We concur with this recommendation.

J. H. East, Jr.

J. H. East, Jr.

A. H. Koeschmann

A. H. Koeschmann

Enclosures

Defense Minerals Administration
RECEIVED
SEP 14 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

September 10, 1951

Memorandum

To: DMA Field Team, Region IV

From: A. H. Koschmann

Subject: DMA Docket 1555X, Ace High Claims, Slavonia Development Company, Routt County, Colorado

Attached are 8 copies of the geologic report covering the Ace High Claims, Slavonia Development Co., Routt County, Colo., by Truman H. Kuhn of the U. S. Geological Survey. The Company has applied for a loan of $100,000 to explore for uranium and zinc ore on their group of claims. Mr. Kuhn was accompanied by John W. Adams of the Geological Survey, Mineral Deposits Reconnaissance Group, to make radioactivity determinations on the property.

No significant radioactivity was detected on the dump or in the underground workings, and chemical analysis of one sample shows only 0.001 per cent uranium and 0.000 per cent eU.

No zinc ore of commercial grade was found, and the geologic conditions are unfavorable for discovery of significant ore bodies. Mr. Kuhn, therefore, recommends that the loan be denied.

I concur with his recommendation.

A. H. Koschmann
A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Attachments (8)

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

224, New Customhouse
Denver, Colorado

Air Mail

September 11, 1951

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A. H. Koschmann

A. H. Koschmann

Enclosures

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 14 1951

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Defense Minerals Administration
200 New Customhouse
Denver 2, Colorado

September 10, 1951

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A. H. Koschmann

A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Attachments (8)

ACE HIGH CLAIMS

SLAVONIA DEVELOPMENT COMPANY

ROUTT COUNTY, COLORADO

DMA DOCKET 1555X

Geology and Ore Reserves

Truman H. Kuhn, geologist
U. S. Geological Survey

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ACE HIGH CLAIMS
SLAVONIA DEVELOPMENT COMPANY
ROUTT COUNTY, COLORADO

INTRODUCTION

The Slavonia Development Company--John A. Utterback, Steamboat Springs, Colorado, President; and George Feltner, Box 4207, South Denver Station, Denver 9, Colorado, Secretary--has applied for a $100,000.00 loan to explore for uranium and zinc on their group of claims in Routt County, Colorado. This group of claims formerly was known as the Fall River Group.

The property, consisting of 5 unpatented mining claims, is in either the northern portion of section 31 or the southern portion of section 30, T. 10 N., R. 82 W., Routt County, Colorado. The claims are in the Park Range, near the headwaters of Gold Creek, a tributary of the Elk River, at an elevation of approximately 10,500 feet.

The property is approximately 25 airline miles northeast of Steamboat Springs, Colorado, and approximately 4 airline miles northeast of Slavonia. Slavonia can be reached from Steamboat Springs by way of State Highway 129 to Clark, and then east on Routt County Highway 64. The property is approximately 6 miles from Slavonia over a poor and unmarked horse trail up Gold Creek.

The claims were visited on July 31, 1951, accompanied by John W. Adams, geologist for Mineral Deposits Reconnaissance Group, U. S. Geological Survey. John A. Utterback, a veterinarian at Steamboat Springs and

president of the Slavonia Development Company, acted as guide. Delays, caused by Dr. Utterback, limited the visit to the claims to only 2 hours. During those 2 hours, the dump and underground workings were examined, but very little time was devoted to surface examination.

GEOLOGY

The rocks in the vicinity of the Slavonia Development Company's claims are in the Park Range pre-Cambrian complex of schist, gneiss, pegmatite, and granite. Underground workings on the Ace High No. 1 claim are completely within a quartz-amphibole-biotite schist.

At the Ace High No. 1 claim, the sulphide mineralization has been localized by minor fractures paralleling the almost vertical structure of the schist. In general, the fractures are tight, but in places as much as two feet of broken rock was noted. Locally, within the fracture zones, are small, isolated pods, masses, and grains of pyrite and sphalerite and lesser amounts of pyrrhotite and galena.

URANIUM

No significant radioactivity was detected by John W. Adams on the dump or in the underground workings of the Ace High No. 1 claim.

A sample taken from the breat of the adit contained 0.001 per cent uranium and 0.000 per cent eU.

ZINC

The brest of the adit on the Ace High No. 1 claim was indicated by Dr. Utterback as being the most promising mineralized zone. A 4 foot

sample across the face assayed:

Lead %	Zinc %	Gold oz.	Silver oz.
<0.1	2.15	<0.005	0.2

In the vicinity of the face, several fractures following the schistosity are present. For the most part, these fractures are minor, short, tight, and not consistantly mineralized. Sulphide minerals, where found, were in small, discontinuous masses.

ORE RESERVES

No mineable reserves have been blocked out. Based on evidence seen on the surface and underground, no possible reserves can be inferred from geological evidence.

CONCLUSIONS AND RECOMMENDATIONS

No economically mineable uranium or zinc can be expected from this group of claims.

Building a truck road to the claims would be difficult and expensive. At one time a wide trail apparently led to the property, but now that trail is almost obliterated. The construction of portions of a road would involve heavy blasting, and because of water and marshy land, other portions of the road would require relatively heavy rock fill. Several bridges would be required. A road, if built, must be reconstructed in part each summer.

Because of lack of possible ore and the extreme inaccessibility of the property, it is recommended that the application for a $100,000.00

loan to explore the claims of the Slavonia Development Company for uranium and zinc (DMA Docket 1555X) be denied.

ACE HIGH CLAIMS

SLAVONIA DEVELOPMENT COMPANY

ROUTT COUNTY, COLORADO

DMA DOCKET 1555X

Geology and Ore Reserves

Truman H. Kuhn, geologist
U. S. Geological Survey

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SLAVONIA DEVELOPMENT COMPANY
ROUTT COUNTY, COLORADO

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The claims were visited on July 31, 1951, accompanied by John W. Adams, geologist for Mineral Deposits Reconnaissance Group, U. S. Geological Survey. John A. Utterback, a veterinarian at Steamboat Springs and

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Because of lack of possible ore and the extreme inaccessibility of the property, it is recommended that the application for a $100,000.00

loan to explore the claims of the Slavonia Development Company for uranium and zinc (DMA Docket 1555X) be denied.

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

224 New Customhouse
Denver, Colorado

June 28, 1951

Memorandum

To: A. H. Koschmann (with brochure)

P. T. Allsman

From: DMA Field Team, Region IV

Subject: DMA Docket 1555X, Slavonia Development Co.

Attached is brochure covering the above docket and the "Review" made in the Washington DMA office. It is suggested that a radiometric survey of the property be made, and the prospects for lead and zinc should also be considered. Please make the necessary field investigation and report.

Paul T. Allsman
P. T. Allsman, Alternate

A. H. Koschmann
A. H. Koschmann

Attachments

P. S. Your attention is directed to the section on Fissionable Materials in the attached copy of Procedural Instruction 5.

Office of the Administrator

For internal use only.

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

April 6, 1951

Procedural Instruction 5

Subject: Strategic and Critical Mineral Exploration Program

The Defense Production Administrator has approved the mineral exploration program as proposed by the Defense Minerals Administration. Pertinent documents are attached as follows:

1. Letter of February 28 from DPA delegating authority to Interior
2. Secretarial Order No. 2605
3. Mineral Order 5
4. Form MF-103 (application)
5. Form MF-200 (contract)
6. Form MF-104 (monthly report)

Application

You will note that applications are to be submitted to this office. They will be considered by the commodity groups through the same procedures as applications for other types of assistance. An immediate effort should be made by all commodity groups to process all backlog requests for exploration assistance. We can expect a large influx of new applications and should make every effort to stay on top of them. I suggest that the personnel of the Geological Survey can be most helpful in evaluating exploration proposals.

Criteria

The minerals which can be considered for exploration project contracts are those listed under Section 9 of Mineral Order 5. The availability of manpower, equipment, and supplies will influence the feasibility of the project. Manpower, of course, is a local problem while equipment and supplies are more general in nature. The accessibility of the project and the availability of water and power are to be considered in the light of their influence on the possibility of future production. The ability to execute the work promptly is important.

Contract Terms

The most essential part of the contract is a clear statement of the work to be performed. It is anticipated that in many cases field representatives will have to work out with an applicant the exact plan anticipated rate of progress.

A statement of the equipment to be used will be made a part of each contract. Equipment presently owned by the operator which is to be devoted to the project will be assigned initial and terminal values and the depreciation pro-rated over the anticipated life of the project.

The reason for explicitly defining the block of ground that is to be explored is apparent when one considers that repayment will be based on future production from that block of ground.

Method of Payment

Payments will be made by approved certifying officers of the Bureau of Mines upon presentation and certification by field engineers as to the adequacy of the monthly report.

Field Inspections

Where adequate information is not on hand at either the field office or at central headquarters, it is contemplated that the proposals will be examined in the field before contracts are signed. After projects are under way, it is planned that each will be inspected by a field representative at least once per quarter.

Access Roads

Whenever the field inspection indicates the need for an access road as indispensable for the exploration project, an appraisal should be made of the cost thereof, and other pertinent details. For strategic and critical materials, the applicants may qualify for access road aid and should be notified of the procedures in filing an application for an access road to be built at Government expense for the project. Where access road aid is indispensable for the exploration project but the applicant is refused access road aid, the applicant should be instructed that he will have to amend his application for exploration aid to include the cost of the access road, in order to indicate the total expenditures required to complete the proposed exploration project. It is possible that applications for exploration assistance may be refused, although otherwise acceptable, because of the high cost of the necessary access road.

Urgency of Processing Applications

The attention of all concerned, in the Washington office and in the field, is called to the fact that commitment of funds under the present Defense Production Act must be made prior to July 1, 1951. Actual disbursement can continue after that date, but all contracts must be signed before that time. In Mineral Order 5 we have provided for a closing date on applications of May 31, 1951. Even so, we shall all have a difficult job to process the backlog of exploration applications and the expected influx of new applications. It should be kept in mind, of course, that the operators are also risking their money in these exploration projects.

Fissionable Materials

At the request of the Atomic Energy Commission the DMA has included uranium and monazite on the list of commodities for which Government will furnish 90% of the exploration cost. In general, applications for exploration assistance on deposits of these materials will be processed, and contracts will be administered, in the usual way with the following exceptions:

(a) In case field examinations are necessary, the Regional field teams (other than Alaska) are urged to call on Lincoln Page, Box 7618, Lakewood Branch, Denver 15, Colorado, for expert geologic advice; the Alaskan field team should call on Helmuth Wedow, U. S. Geological Survey. For special engineering advice all of the field teams should call on Mitchell H. Kline, U. S. Bureau of Mines, Bluemont, Virginia. If one of the Regional field teams calls on Lincoln Page or Helmuth Wedow for a specialist to assist in the field investigation, one of the Region's geologists should accompany the specialist and participate in preparing the geologic report so as to be ready and responsible for further examination, periodic checking, and preparation of the final report.

(b) Before recommendations are submitted to the Production Expansion Division by the Supply Division for contract finalization, they will be cleared with the Washington office of the Raw Materials Division of the AEC.

(c) Copies of all reports on uranium prospects prepared by the Regional field teams shall be sent to Lincoln Page or Helmuth Wedow; Mr. Wedow is to receive copies of the Alaskan reports and Mr. Page of the others. Copies of all monazite prospect reports shall be sent to Mr. Kline.

(d) Uranium samples will be sent to Mr. Page for processing thru the USGS laboratory at Denver. Monazite samples will be sent to Mr. Kline for processing thru the USBM Mount Weather laboratory.

Final Report

When a project is completed, and prior to the final payment and settlement of the contract, the complete report on ore reserves (as prescribed in Section 14 of Mineral Order 5) should be submitted by the mine operator and the final report forms prepared in quadruplicate by the operator to mark the termination of the contract.

JAMES BOYD
Administrator

Interior--Duplicating Section, Washington, D. C. 93827

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C.

REGIONAL DIRECTOR'S
OFFICE
REGION IV
JUN 25 1951
BUREAU OF MINES
DENVER, COLORADO

JUN 21 1951

Mr. J. H. East, Jr.
224 New Customhouse Bldg.
Denver 2, Colorado

Dear Sir:

We attach "Review of Application for Prospecting Permit" on:

Docket No. DMA-1555X

Commodity Uranium

Applicant Slavonia Development Co.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon
Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA-1555 X

Commodity Uranium

Total Amount $100,000

Gov't. Participation $90,000

1. Name and Address of Applicant Slavonia Development Co

2. Location of Property Steamboat Springs Colorado

3. Mineral or metal Zinc & uranium Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery -- based on data in application (question #16, 17, 18, 20 and 22).*

Mines or Survey reports, etc., do you rate chances:

a) Good _____

b) Poor _____

c) None _____

d) Don't know --- needs field examination ✓

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? _____
(question 5, 6, 7)

6. If applicant is a lessee, is a copy of the lease attached? _____

Does the lease have sufficient time to run to cover a future productive period? _____

*Questions on numbers are those of (F-10)

7. Are subordination agreements necessary? _____

a) MF-201? _____

b) MF-202 _____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower _____

b) Equipment and supplies _____
(question 14 plus general knowledge of availability)

c) Accessibility (question 12) _____

d) Water (question 13) _____

e) Power (question 13) _____

Is a field check needed on any of these points? _____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4) _____

_____

Is a field check needed on this point? _____

10. Exhibit A. (questions 21 and 22)

a) Is the project adequately described? _____

If not, are there sufficient data given so that you can describe the project? _____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work? _____

_____

c) Is the proposed work "exploration" under the definition of Section 8, MD-5? _____

If not, what part of it is? _____

_____

_____

_____

Is this part a worthwhile exploration project? _____

d) Are the cost estimates detailed? _____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data? _____ If so, attach a draft.

e) Are the cost estimates reasonable? _____

f) Should more information be requested from applicant? _____

g) Is a field examination necessary to complete Exhibit A? _____

11. Exhibit B (question 23-d)

a) Is it applicable? _____

b) If so, are sufficient data furnished? _____ If so, attach a draft.

c) Is a field check needed? _____

12. Exhibit C (question 23-e, f and g)

a) Is it applicable? _____

b) Sufficient data? _____ If so, attach a draft.

c) Are rents and charges reasonable? _____

d) Is a field check needed? _____

13. Exhibit D (question 23-a,b)

a) Are there sufficient data? _____

b) Is the schedule adequate for the work proposed? _____

c) Is the schedule excessive for the work proposed? _____

d) Are the proposed wages and salaries reasonable? _____

e) Is a field check needed? _____

14. Exhibit E (question 23-c)

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years.)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing questions? Radiometric survey of property should be considered for ~~gold~~ lead & zinc.

Reviewed by: [illegible]

Date 6/18/61

Kansas-Nebd

This looks like a zinc proposition disguised as uranium. Shall we send to the Zn Branch? Barnet.

Defense Minerals Administration
Reference Slip

Date 6-8-51

To: 1. Mr. Bennett

2. _____

3. _____

4. _____

DMA 1555X

For Action ✓
Reply _____
Information _____
Remarks: _____

Sender Strobel (DD)

3
Mr. Strobel DMA
Forwarded to

Branch _____

Date _____

Sender _____

2
Mr. Strobel DMA
Forwarded to

Branch _____

Date _____

Sender _____

1
Mr. Strobel DMA
Forwarded to

Branch _____

Date _____

Sender _____

92758

DMA 1555 X

Slavonia Development Company

OFFICES
Box 4207 South Denver Station, Denver 9, Colorado
Steamboat Springs, Colorado
Hayden, Colorado

May 29, 1951

U. S. Bureau of Mines
Department of Interior
Defense Minerals Administration
Washington 25, D. C.

REGIONAL DIRECTOR'S OFFICE
REGION IV
MAY 31 1951
BUREAU OF MINES
DENVER, COLORADO

Gentlemen:

The enclosed report should have been in two weeks ago, but was held up due to not having the report referred to in the application.

This report was given to an engineer for a thorough study. When needed, it was learned that he had gone on an extended trip and had taken the report with him.

Information of today is that he will return to Denver within a few days. At that time the report will be forwarded to your office.

Yours truly

Slavonia Development Company

George Feltner

George Feltner, Secretary

GF/sa

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LANDON F. STROBEL
Executive Secretary

MF-103

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

Slavonia Development Company
Box 4207 South Denver Station
Denver 9, Colorado

May 15, 1951

Date of application: May 15, 1951

Estimated cost: Minimum $100,000.00
Percentage of Government participation 90%

Mineral or metal: Uranium, Zinc, other rare strategic minerals.

Location of mine: 45 miles north of Steamboat Springs, Colo., in Routt County

After repeated requests for MF-100, we received only forms MF-103.

1. The applicant, SLAVONIA DEVELOPMENT COMPANY, is a corporation.

2. No Answer.

3. Names and addresses of directors:

Dr. John A. Utterback, President, Steamboat Springs, Colorado
E. F. Bissell, Vice President, Hayden, Colorado
R. H. Jensen, Treasurer, Steamboat Springs, Colorado
George Feltner, Secretary, Box 4207 South Denver Station, Denver 9, Colorado
Harry Feltner, Director, 2354 South Lincoln Street, Denver 10, Colorado

The above, at present, are also the five largest stockholders.

4. E. F. Bissell has had 35 years of experience in insurance, oil and gas business. R. H. Jensen, Treasurer, has had 30 years in the lumber business, as well as 6 years in the co-management of the Elkhorn Mine in Routt County, Colorado. George Feltner has had 15 years in advertising and publicity business, 1 year operating a mica mine, 1 year in manufacturing insulation and, together with his brother, Harry Feltner, Director, has had some mining experience in Leadville, Colorado.

When ready to operate, a crew of experienced miners will be hired to do the development work. The work at the mine will be under the direction of an experienced mining engineer.

5. The Corporation owns the mine.

6. There are no claims, liens or encumbrances against the property.

7. No answer.

8. Because we have been unable to get to the mine because of its distance from a maintained highway and because of heavy snows, we have not been able to assess the value of the equipment on the property. And, because the company was organized so recently, our financial standing consists of $700.00 in the bank, with no claims or obligations against it.

9. The applicant will be prepared to invest $5,000.00 to $10,000.00 or more in the project. This amount is to be raised through the sale of stock. This amount, we feel, will be sufficient to pay the Corporation's part of the cost as detailed in Question 23.

10. Answer to this question is in the enclosed report.

11. The Slavonia Development CompanY's property was formerly known as, "Fall River Zinc Property."

12. Property of the Slavonia Development Company is located approximately 45 miles north of Steamboat Springs, Colorado, the nearest reailroad point. Most of the distance is over improved, gravelled county road, 15 miles over a road that is graded and improved to the point where large passenger busses have covered the distance on annual Aspen Festival tours. Five miles of the distance is over a 5-foot wide horse trail over easy grades that could be -- and will be -- widened and graded into an excellent truck road.

Steamboat Springs, Colorado, the nearest town of any size and railhead is also a supply point, with well-equipped stores for most needs. There is a sawmill six miles from the mine which can furnish practically all lumber for the building of bunkhouses, warehouses, mill, necessary mine buildings, timber for the mine, etc.

13. Even at its lowest flow, there is sufficient water available for all necessary mine and domestic use. The source of the water is a nearby stream. This water will also be utilized (as it was in previous operations) to produce electricity for the mine use. At its lowest flow, the stream provides enough water to develop at least 135 horsepower. It will be necessary to produce power in this manner because there is no commercial power within any convenient distance.

14. Existing usable facilities are described in the accompaying report.

15. After widening of the horse trail into a road, the ore could be trucked out and hauled to Steamboat Springs, wherefrom it could be shipped either to Salt Lake City or to the Leadville smelter. At a later date a mill will be constructed so that the ore can be shipped in the form of concentrates.

16. A history and description of the property is contained in the accompanying report.

17. Because the mine is not now in production, this question cannot be answered.

18. (a) Outcrops of zinc ore are discernable for a distance of 3,000 feet along the ridge on our claims. In the five hundred foot tunnel one vein has been cut through. It is a five foot vein of zinc ore, reported in the accompanying report. Another vein is located in the breast of the tunnel. The size of this vein has not been determined because it has not been driven through.

(b) Maps and assay reporta accompany this application.

(c) Because the original developers were evidently seeking richer ores, the silver and gold ores, they passed through the zinc bodies without any attempt at development or exploration of them.

19. All points sufficiently discussed.

20. The exploration will be conducted for zinc and uranium ores. With 3000 feet of zinc ore outcropping, it seems evident to us that the development of this vein and others adjoining will be a considerable undertaking. Uranium deposits, which have not been completely explored yet will be developed at the same time.

It is also felt by menbers of the corporation and by other mining men who have been on the property that there may be tungsten and thorium ore on the claims held by the Slavonia Development Company. This possibility will be fully examined as soon as snow conditions permit.

21. The proposed work includes the systematic development of both veins of zinc now exposed. Drifts will be driven into the veins in both directions to block out and develop the zinc now exposed. At the same time it is intended to drive toward the radio active area to determine the amount and value of the pitchblende ore which was discovered on the property but was never fully explored.

Ore that we had assayed ran 17.84$ wet lead, 71.47% Uranium in one sample — with Radium (electroscope) 206.33 mgs. This was curite.

Another sample assayed 15.99% wet lead, 79.53% uranium and 214.90 mgs radium (electroscope). This was the pitchblende.

For this reason, we believe we have an excellent deposit of uranium on our property, and because we have a tunnel which we believe runs in close to where the deposit should be, we should have the development work in progress within a very few months of the time we are able to start working the claims.

The excellent zinc ore, running as high as 38% and more, makes the property even more attractive.

Since it will be necessary to widen the horse trail into a road, we believe that we can be shipping ore within a month or two after getting the necessary funds. Because the hores trail is well graded and now about 5 feet wide, it will not take much work to widen it to accommodate trucks. Since two veins of zinc ore are not exposed, we can be producing and stock piling the ore within a period of four weeks or less. Also, since the mine has been worked previously throughout the year, we know that the ore can be taken out of there the year around. It is merely a matter of getting the funds to get into production. We have the ore. It is not a matter of exploration for ore we hope will be there. We have it. We have excellent zinc ore on the dump — discarded by the hopeful early-day miners who sought greater treasure in the more precious metals.

22. Strangely enough, the only geologic reports on the area are those that appear in a Colorado Geologocal Survey Report of 1905 - 1906. This report, together with another, issued in 1908, accompany this application.

23. (a) Labor needed at the outset would include:

4 miners at $12.50 per day.
4 muckers at $12.00 per day.
4 trammers at $12.00 per day.
2 blacksmiths and general maintenance men at $13.00 per day. These men would be in charge of tool sharpening, maintenance of equipment, greasing and oiling, track maintenance, power and light maintenance and supply, etc.

(a) Continued

2 timbermen at $13.00 per day.
1 cook at $200.00 per month.
1 kitchen helper at $100.00 per month.
2 truck drivers at $12.50 per day.
ALL THESE ARE AT CURRENT WAGE LEVELS

(b) 1 supervisor of mine operations at $300.00 per month.
I supervisor, general operations at $400.00 per month.
AT CURRENT WAGE LEVELS

(c) Existing facilities could be repaired at a cost of $2,000.00.

(d) It will be necessary to repair the blacksmith and tool shop. Walls are standing, but the roof has fallen in. Cleaning up and repairing this structure would cost approximately $750.00.

A bunkhouse will have to be constructed to accommodate 20 men at the outset, at a cost of approximately $850.00.

A cookhouse will have to be constructed (this will include a dining area also) at a cost of $500.00.

A warehouse and storeroom will have to be be built to hold foodstuffs, mine implements, etc., at a cost of $200.00.

A one-room office will have to be built and equipped at a cost of $500.00.

A powder house would have to be built, also. This can be made out of logs of fallen buildings now on the property. This could be done at a small cost — perhaps $150.00.

(e) 2 new stopers at $400.00 each.
3 used ore cars at $60.00 each
2 additional compressors at $3,500.00 each.
2 additional air hammers at $450.00 each.

(f) The corporation has some equipment, such as an air compressor, ore cars, hammers, pipe, hose, steel, bits, etc., so it will not be necessary to rent any of these items to begin with — provided they have survived the winter in as good condition as they have done before.

(g) Rental value (approximate) of the equipment now on the property would be in excess of $1,000.00 per month.

(h) Powder..... $12.00 per case..... 1 - 1½ case per day.
Fuse..... 1½¢ per foot..... 150 - 200 feet per day.
caps..... $2.50 per 100..... 20 - 35 per day.
Gasoline..... 35¢ per gallon..... 15 gals per day.
1 dozen spades... $3.50 each
1 dozen picks.... $4.00 each
10 sets of steel at $75.00 per set
500 drill bits....$6.00 per dozen
2 - 3 gallons of oil per week.
1 pound grease per week.

(i) No expense for electricity — other than that generated at the mine.

We estimate that the mine can be producing, shipping ore in carload lots at frequent and regular intervals within four months or less of getting the necessary funds. With the cooperation of the Forestry Department and the County Road Commissioners, we could have a road suitable for trucks, within three to four weeks, at the very most. It is possible, with a good road crew, to get the work done in less time.

While the road is being improved, mine development work could go ahead. The necessary equipment could be taken in on horses and the development would move ahead. Ore could be stockpiled until completion of the road.

However, there is some necessary cleaning out work in the tunnel. The mouth of the tunnel will have to be cleared. A small slide covered the tracks for a short distance and almost closed the tunnel. This work, however, would take only a few days.

The complete project — to get the mine on a paying basis in the shortest possible time — would require between $50,000.00 and $100,000.00. We are asking for the larger amount because we would rather have enough to go ahead and produce this much-needed ore without interruption than to suddenly find that we would have to have more money to proceed and have to curtail development work pending the securing of additional funds. We can, if we find ourselves in that happy condition, refund a portion to the government without any interruption in our production.

Since zinc and the radio active ores are so badly needed, out sole object is to get into actual production — trucking the ore out to the nearest railhead and shipping it to the smelter — in the shortest possible time, at the least possible expense. There are many pieces of expensive, but time and labor saving mining devides that we could ask for in making up our request for funds, but, knowing our property as we do, we feel that this can be done out of production later. This will enable more miners to open more mines. Because of the richness of the veins we have exposed in our operation, we feel that with the ordinary, low-cost mining equipment and a crew of men accustomed to using that equipment, we can turn out a mighty cheering record of production.

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

Slavonia Development Company _____

May 15, 1951 Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
[illegible]

JUN 4 - 1951

[illegible] A. Schmidt
Executive Secretary

4626

A.E.C.

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

June 1[illegible], 1951

Mr. George Feltner, Secretary
Elevon Development Company
Box 1207, South Denver Station
Denver 9, Colorado

Dear Mr. Feltner:

Your application Exploration-1[illegible] for exploration project in the amount of $[illegible],000 has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of Field Team IV, Mr. J. [illegible] East, Jr., 224 New Customhouse Building, Denver 2, Colorado, with the request that the needed information be supplied to us.

Very truly yours,

[illegible] Lyon, Director
Supply Division

[illegible]Bourret/ah

cc: Mr. Land. File
Strobel
Lyon
Bourret
Field Team, IV
Files

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

A.E.C.

AIR MAIL

June 18, 1951

Mr. George Feltner, Secretary
Alaunia Development Company
P. O. Box 4207 South Denver Station
Denver 9, Colorado

Re: DMA Docket 1555M

Dear Mr. Feltner:

I wish to acknowledge and thank you for your letter of June 8, 1951 transmitting report on the Ana Mae Mining property, Routt County, Colorado. Please be advised that we are attaching this material to your docket as requested in your letter.

Yours very truly,

Weston Bourret M.H.

Weston Bourret, Chief
Strategic Materials Branch

WBourret/bf
cc: Adm. Hearing File
Strobel
Thayer, U. S. G. S.
Davis, rm. 3510
Field Term IV (2)
Bourret
Files

MF-103

dmd 1555X

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

Slavonia Development Company
~~Box 4207 South Denver Station~~
Denver 9, Colorado

May 15, 1951

Date of application: May 15, 1951

Estimated cost: Minimum, $100,000.00

Mineral or metal: Uranium, Zinc, other rare strategic minerals.

Percentage of Government participation 90%

Location of mine: 5 miles north of Steamboat Springs, Colo., in Routt County

After repeated requests for MF-100, we received only forms MF-103

1. The applicant, SLAVONIA DEVELOPMENT COMPANY, is a corporation.

2. No answer.

3. Names and addresses of directors:
Dr. John A. Utterback, President, Steamboat Springs, Colorado
E. F. Bissell, Vice President, Hayden, Colorado
R. H. Jensen, Treasurer, Steamboat Springs, Colorado
George Feltner, Secretary, Box 4207 South Denver Station, Denver 9, Colorado
Harry Feltner, Director, 2354 South Lincoln Street, Denver 10, Colorado

The above, at present, are also the five largest stockholders.

4. E. F. Bissell has had 35 years of experience in the insurance, oil and gas business. R. H. Jensen, Treasurer, has had 30 years in the lumber business as well as 6 years in the co-management of the Hillhorn mine in Routt County, Colorado. George Feltner has had 15 years in advertising and publicity business, 1 year operating a mica mine, 1 year in manufacturing insulation and together with his brother, Harry Feltner, Director, has had some mining experience in Leadville, Colorado.

When ready to operate, a crew of experienced miners will be hired to do the development work. The work at the mine will be under the direction of an experienced mining engineer.

5. The Corporation owns the mine.

6. There are no claims, liens or encumbrances against the property.

7. No answer.

8. Because we have been unable to get to the mine because of its distnace from a maintained highway and because of heavy snows, we have not been able to assess the value of the equipment on the property. And, because the company was organized so recently, our financial standing consists of $700.00 in the bank with no claims or obligations against it.

Slavonia Development Company
Denver 9, Colorado

9. The applicant will be prepared to invest $5,000.00 to $10,000.00 or more in the project. This amount is to be raised through the sale of stock. This amount, we feel, will be sufficient to pay the Corporation's part of the cost as detailed in Question 23.

10. Answer to this question is in the enclosed report.

11. The Slavonia Development Company's property was formerly known as, "Fall River Zinc Property."

12. Property of the Slavonia Development Company is located approximately 45 miles north of Steamboat Springs, Colorado, the nearest railroad point. Most of the distance is over improved, gravelled county road, 15 miles over a road that is graded and improved to the point where large passenger busses have covered the distance on annual Aspen Festival tours. Five miles of the distance is over a 5-foot wide horse trail over easy grades that could be — and will be — widened and graded into an excellent truck road.

Steamboat Springs, Colorado, the nearest town of any size and railhead is also a supply point, with well-equipped stores for most needs. There is a sawmill approximately 6 miles from the mine which can furnish practically all lumber for the building of bunkhouses, warehouses, mill, necessary mine buildings, timbers for the mine, etc.

13. Even at its lowest flow, there is sufficient water available for all necessary mine and domestic use. The source of the water is a nearby stream. This water will also be utilized (as it was in previous operations) to produce electricity for the mine use. At its lowest flow, the stream provides enough water to develop at least 135 horsepower. It will be necessary to produce power in this manner because there is no commercial power within any convenient distance.

14. Existing usable facilities are described in the accompanying report.

15. After widening of the horse trail into a road, the ore could be trucked out and hauled to Steamboat Springs, wherefrom it could be shipped either to Salt Lake City or to the Leadville smelter. At a later date a mill will be constructed so that the ore could be shipped in the form of concentrates.

16. A history and description of the property is contained in the accompanying report.

17. Because the mine is not now in production, this question cannot be answered.

18. (a) Outcrops of zinc ore are discernable for a distance of 3,000 feet along the ridge on our claims. In the five hundred foot tunnel one vein has been cut through. It is a five foot vein of zinc ore, reported in the accompanying report. Another vein is located in the breast of the tunnel. The size of this vein has not been determined because it has not been driven through.

(b) Maps and assay reports accompany this application.

(c) Because the original developers were evidently seeking richer ores, the silver and gold ores, they passed through the zinc bodies without any attempt at development or exploration of them.

19. All points sufficiently discussed.

20. The exploration will be conducted for zinc and uranium ores. With 3,000 feet of zinc outcropping, it seems evident to us that the development of this vein and others adjoining will be a considerable undertaking. Uranium deposits, which have not been completely explored yet, will be developed at the same time.

It is also felt by members of the corporation and by other mining men who have been on the property that there may be tungsten and thorium ore on the claims held by the Slavonia Development Company. This possibility will be fully examined as soon as snow conditions permit.

21. The proposed work includes the systematic development of both veins of zinc now exposed. Drifts will be driven into the veins in both directions to block out and develop the zinc now exposed. At the same time it is intended to drive toward the radio active area to determine the amount and value of the pitchblende ore which was discovered on the property but was never fully explored.

Ore that we had assayed ran 17.84% wet lead, 71.47% Uranium in one sample — with Radium (electroscope) 206.33 mgs. This was cubite.

Another sample assayed 15.99% wet lead, 79.53% uranium and 214.90 mgs radium (electroscope). This sample was the pitchblende.

For this reason, we believe we have an excellent deposit of uranium on our property and, because we have a tunnel which we believe runs in close to where the deposit should be, we should have the development work in progress within a very few months of the time we are able to start working the claims.

The excellent zinc ore, running as high as 38% and more, makes the property even more attractive.

Since it will be necessary to widen the horse trail into a road, we believe that we can be shipping ore within a month or two after getting the necessary funds. Because the horse trail is well graded and now about five feet wide, it will not take much work to widen it to accommodate trucks. Since two veins of zinc ore are now exposed, we can be producing and stock piling the ore within a period of four weeks or less. Also, since the mine has been worked previously throughout the year, we know that the ore can be taken out of there the year around. It is merely a matter of getting the funds to get into production. We have the ore. It is not a matter of exploration for ore we hope will be there. We have it. We have excellent zinc ore on the dump — discarded by the hopeful early-day miners who sought greater treasure in the more precious metals.

22. Strangely enough, the only geologic reports on the area are those that appear in a Colorado Geological Survey Report of 1905 - 1906. This report, together with another, issued in 1908 accompany this application.

23. (a) Labor needed at the outset would include:

4 miners at $12.50 per day at current wage levels
4 muckers at $12.00 per day at current wage levels
4 trammers at $12.00 per day at current wage levels.
2 blacksmiths and general maintenance men at $13.00 per dat at current wage levels. These men would be in charge of tool sharpening, maintenance of equipment, greasing and oiling, track maintenance, power and light maintenance and supply, etc.

(a) Continued

2 timbermen at $13.00 per day at current wage levels.
1 kitchen helper at $100.00 per month at current wage levels.
1 cook at $200.00 per month at current wage levels.
2 truck drivers at $12.50 per day, current wage levels.

(b) 1 supervisor of mine operations at $300.00 per month, current wage levels.
1 supervisor, general operations at $400.00 per month, " " "

(c) Existing facilities could be repaired at a cost of $2,000.00

(d) It will be necessary to repair the blacksmith and tool shop. Walls are standing, but the roof has fallen in. Cleaning up and repairing this structure would cost approximately $750.00.

A bunkhouse will have to be constructed to accommodate 20 men at the outset, at a cost of approximately $850.00.

A cookhouse will have to be constructed (this will include a dining area also) at a cost of $500.00.

A warehouse and storeroom will have to be built to hold food stuffs, mine implements, etc., at a cost of $200.00.

A one-room office will have to be built and equipped at a cost of $500.00.

A powder house would have to be built, also. This can be made out of logs of fallen buildings now on the property. This could be done at a small cost — perhaps $150.00.

(e) 2 new stopers at $400.00 each
3 used ore cars at $60.00 each
2 additional compressors at $3,500.00 each
2 additional air hammers at $450.00 each

(f) The Corporation has some equipment, such as an air compressor, ore cars, hammers, pipe, hose, steel, bits., etc., so it will not be necessary to rent any of these items to begin with — provided they have survived the winter in as good condition as they have done before.

(g) Rental value (approximate) of the equipment now on the property would be in excess of $1,000.00 per month.

(h)

Powder.....	$12. per case.....	1 case per day to 1½
Fuse.....	1½¢ per foot.....	150 - 200 ft per day
Caps.....	$2.50 per 100.....	20 - 35 per day
Gasoline.....	35¢ per gallon.....	15 Gals. per day.
1 dozen spades...	$3.50 each	
1 dozen picks....	$4.00 each	
10 sets of steel at $75.00 per set.		
500 drill bits...	$6.00 per doz.	
2 - 3 gallons of oil per week		
1 pound of grease per week		

(i) No expense for electricity — other that generated at the mine.

We estimate that the mine can be producing ore, shipping it in carload lots at frequent and regular intervals within four months or less of getting the necessary funds. With the cooperation of the Forestry Department and the County Road Commissioners, we could have a road, suitable for trucks, within three to four weeks, at the very most. It is possible, with a good road crew, to get the work done in less time.

While the road is being improved, mine development could go ahead. The necessary equipment could be taken in on horses and the development work could move ahead. Ore could be stockpiled until completion of the road.

However, there is some necessary cleaning out work in the tunnel. The mouth of the tunnel will have to be cleared. A small slide covered the tracks for a short distance and almost closed the tunnel. This work, however would take only a few days.

The complete project — to get the mine on a paying basis in the shortest possible time — would require between $50,000.00 and $100,000.00. We are asking for the larger amount because we would rather have enough to go ahead and produce this much-needed ore without interruption than to suddenly find that we would have to have more money to proceed and have to curtail development work pending the securing of aditional funds. We can, if we find ourselves in that happy condition, refund a portion to the Government without any interruption in our production.

Since zinc and the radio active ores are so badly needed, our sole object is to get into actual production — trucking the ore out to the nearest railhead and shipping it to the smelter — in the shortest possible time at the least possible expense. There are many pieces of expensive, but time and labor saving mining devices that we could ask for in making up our request for funds, but, knowing our property as we do, we feel that this can be done out of production later. This will enable more miners to open more mines. Because of the richness of the veins we have exposed in our operation, we feel that with the ordinary, low-cost mining equipment and a crew of men accustomed to using that equipment, we can turn out a mighty cheering record of production.

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

Slavonia Development Company _____

May 15, 1951 Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LAUREN F. STEWART,
Executive Secretary

MF-103

Amd 1555X

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

Slavonia Development Company
Box 4207 South Denver Station
Denver 9, Colorado

May 15, 1951

Date of application: May 15, 1951

Estimated cost: Minimum $100,000.00
Percentage of Government participation 90%

Mineral or metal: Uranium, Zinc, other rare strategic minerals.

Location of mine: 45 miles north of Steamboat Springs, Colo., in Routt County

After repeated requests for MF-100, we received only forms MF-103.

1. The applicant, SLAVONIA DEVELOPMENT COMPANY, is a corporation.

2. No Answer.

3. Names and addresses of directors:

Dr. John A. Utterback, President, Steamboat Springs, Colorado
E. F. Bissell, Vice President, Hayden, Colorado
R. H. Jensen, Treasurer, Steamboat Springs, Colorado
George Feltner, Secretary, Box 4207 South Denver Station, Denver 9, Colorado
Harry Feltner, Director, 2354 South Lincoln Street, Denver 10, Colorado

The above, at present, are also the five largest stockholders.

4. E. F. Bissell has had 35 years of experience in insurance, oil and gas business. R. H. Jensen, Treasurer, has had 30 years in the lumber business, as well as 6 years in the co-management of the Elkhorn Mine in Routt County, Colorado. George Feltner has had 15 years in advertising and publicity business, 1 year operating a mica mine, 1 year in manufacturing insulation and, together with his brother, Harry Feltner, Director, has had some mining experience in Leadville, Colorado.

When ready to operate, a crew of experienced miners will be hired to do the development work. The work at the mine will be under the direction of an experienced mining engineer.

5. The Corporation owns the mine.

6. There are no claims, liens or encumbrances against the property.

7. No answer.

8. Because we have been unable to get to the mine because of its distance from a maintained highway and because of heavy snows, we have not been able to assess the value of the equipment on the property. And, because the company was organized so recently, our financial standing consists of $700.00 in the bank, with no claims or obligations against it.

9. The applicant will be prepared to invest $5,000.00 to $10,000.00 or more in the project. This amount is to be raised through the sale of stock. This amount, we feel, will be sufficient to pay the Corporation's part of the cost as detailed in Question 23.

10. Answer to this question is in the enclosed report.

11. The Slavonia Development CompanY's property was formerly known as, "Fall River Zinc Property."

12. Property of the Slavonia Development Company is located approximately 45 miles north of Steamboat Springs, Colorado, the nearest railroad point. Most of the distance is over improved, gravelled county road, 15 miles over a road that is graded and improved to the point where large passenger busses have covered the distance on annual Aspen Festival tours. Five miles of the distance is over a 5-foot wide horse trail over easy grades that could be — and will be — widened and graded into an excellent truck road.

Steamboat Springs, Colorado, the nearest town of any size and railhead is also a supply point, with well-equipped stores for most needs. There is a sawmill six miles from the mine which can furnish practically all lumber for the building of bunkhouses, warehouses, mill, necessary mine buildings, timber for the mine, etc.

13. Even at its lowest flow, there is sufficient water available for all necessary mine and domestic use. The source of the water is a nearby stream. This water will also be utilized (as it was in previous operations) to produce electricity for the mine use. At its lowest flow, the stream provides enough water to develop at least 135 horsepower. It will be necessary to produce power in this manner because there is no commercial power within any convenient distance.

14. Existing usable facilities are described in the accompaying report.

15. After widening of the horse trail into a road, the ore could be trucked out and hauled to Steamboat Springs, wherefrom it could be shipped either to Salt Lake City or to the Leadville smelter. At a later date a mill will be constructed so that the ore can be shipped in the form of concentrates.

16. A history and description of the property is contained in the accompanying report.

17. Because the mine is not now in production, this question cannot be answered.

18. (a) Outcrops of zinc ore are discernable for a distance of 3,000 feet along the ridge on our claims. In the five hundred foot tunnel one vein has been cut through. It is a five foot vein of zinc ore, reported in the accompanying report. Another vein is located in the breast of the tunnel. The size of this vein has not been determined because it has not been driven through.

(b) Maps and assay reports accompany this application.

(c) Because the original developers were evidently seeking richer ores, the silver and gold ores, they passed through the zinc bodies without any attempt at development or exploration of them.

19. All points sufficiently discussed.

20. The exploration will be conducted for zinc and uranium ores. With 3000 feet of zinc ore outcropping, it seems evident to us that the development of this vein and others adjoining will be a considerable undertaking. Uranium deposits, which have not been completely explored yet will be developed at the same time.

It is also felt by members of the corporation and by other mining men who have been on the property that there may be tungsten and thorium ore on the claims held by the Slavonia Development Company. This possibility will be fully examined as soon as snow conditions permit.

21. The proposed work includes the systematic development of both veins of zinc now exposed. Drifts will be driven into the veins in both directions to block out and develop the zinc now exposed. At the same time it is intended to drive toward the radio active area to determine the amount and value of the pitchblende ore which was discovered on the property but was never fully explored.

Ore that we had assayed ran 17.84% wet lead, 71.47% Uranium in one sample — with Radium (electroscope) 206.33 mgs. This was curite.

Another sample assayed 15.99% wet lead, 79.53% uranium and 214.90 mgs radium (electroscope). This was the pitchblende.

For this reason, we believe we have an excellent deposit of uranium on our property, and because we have a tunnel which we believe runs in close to where the deposit should be, we should have the development work in progress within a very few months of the time we are able to start working the claims.

The excellent zinc ore, running as high as 38% and more, makes the property even more attractive.

Since it will be necessary to widen the horse trail into a road, we believe that we can be shipping ore within a month or two after getting the necessary funds. Because the hores trail is well graded and now about 5 feet wide, it will not take much work to widen it to accommodate trucks. Since two veins of zinc ore are not exposed, we can be producing and stock piling the ore within a period of four weeks or less. Also, since the mine has been worked previously throughout the year, we know that the ore can be taken out of there the year around. It is merely a matter of getting the funds to get into production. We have the ore. It is not a matter of exploration for ore we hope will be there. We have it. We have excellent zinc ore on the dump — discarded by the hopeful early-day miners who sought greater treasure in the more precious metals.

22. Strangely enough, the only geologic reports on the area are those that appear in a Colorado Geologocal Survey Report of 1905 - 1906. This report, together with another, issued in 1908, accompany this application.

23. (a) Labor needed at the outset would include:

4 miners at $12.50 per day.
4 muckers at $12.00 per day.
4 trammers at $12.00 per day.
2 blacksmiths and general maintenance men at $13.00 per day. These men would be in charge of tool sharpening, maintenance of equipment, greasing and oiling, track maintenance, power and light maintenance and supply, etc.

(a) Continued

2 timbermen at $13.00 per day.
1 cook at $200.00 per month.
1 kitchen helper at $100.00 per month.
2 truck drivers at $12.50 per day.

ALL THESE ARE AT CURRENT WAGE LEVELS

(b) 1 supervisor of mine operations at $300.00 per month.
1 supervisor, general operations at $400.00 per month.

AT CURRENT WAGE LEVELS

(c) Existing facilities could be repaired at a cost of $2,000.00.

(d) It will be necessary to repair the blacksmith and tool shop. Walls are standing, but the roof has fallen in. Cleaning up and repairing this structure would cost approximately $750.00.

A bunkhouse will have to be constructed to accommodate 20 men at the outset, at a cost of approximately $850.00.

A cookhouse will have to be constructed (this will include a dining area also) at a cost of $500.00.

A warehouse and storeroom will have to be be built to hold foodstuffs, mine implements, etc., at a cost of $200.00.

A one-room office will have to be built and equipped at a cost of $500.00.

A powder house would have to be built, also. This can be made out of logs of fallen buildings now on the property. This could be done at a small cost — perhaps $150.00.

(e) 2 new stopers at $400.00 each.
3 used ore cars at $60.00 each
2 additional compressors at $3,500.00 each.
2 additional air hammers at $450.00 each.

(f) The corporation has some equipment, such as an air compressor, ore cars, hammers, pipe, hose, steel, bits, etc., so it will not be necessary to rent any of these items to begin with — provided they have survived the winter in as good condition as they have done before.

(g) Rental value (approximate) of the equipment now on the property would be in excess of $1,000.00 per month.

(h) Powder..... $12.00 per case..... 1 - 1½ case per day.
Fuse..... 1¾¢ per foot..... 150 - 200 feet per day.
caps..... $2.50 per 100..... 20 - 35 per day.
Gasoline..... 35¢ per gallon..... 15 gals per day.
1 dozen spades... $3.50 each
1 dozen picks.... $4.00 each
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1 pound grease per week.

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

Slavonia Development Company _____

May 15, 1951 Secretary

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LUSTON F. STROBEL
Executive Secretary

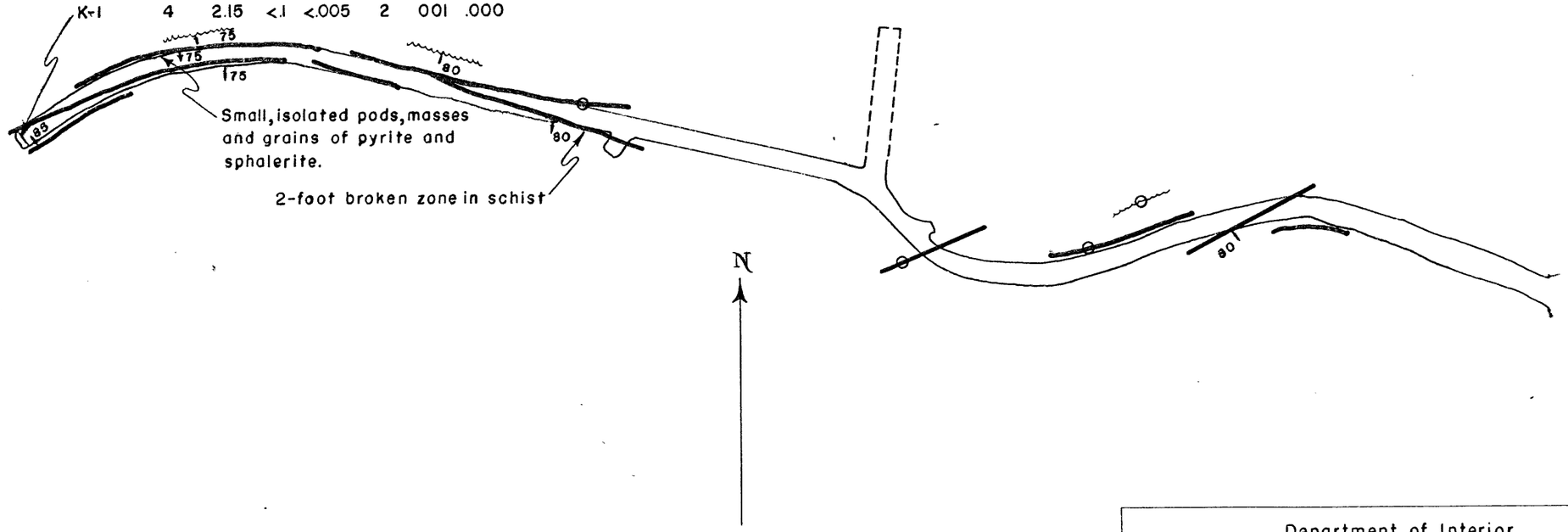
EXPLANATION

Fault zone, containing some pyrite, sphalerite galena and pyrrhotite

Dip and strike of schistosity

All underground workings in pre-Cambrian schist

Sample No.	Width ft.	Zn %	Pb %	Au oz.	Ag oz.	U %	eU %
K-1	4	2.15	<.1	<.005	2	001	.000



SCALE

0 40 60 80 FT.

Department of Interior
U. S. GEOLOGICAL SURVEY

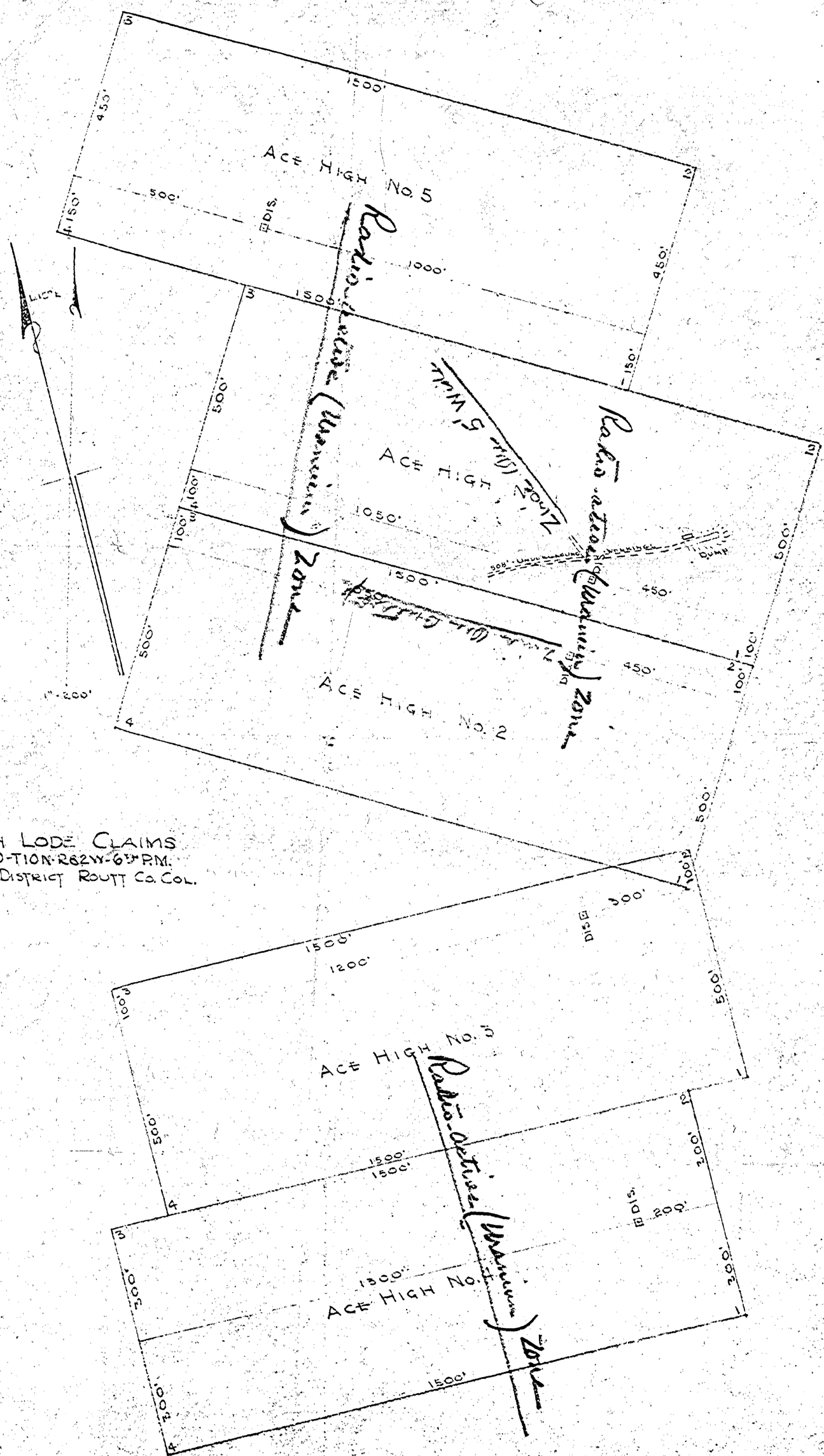
Sketch Map of Underground Workings
ACE HIGH No.1 or FALL RIVER No.1 Claim

SLAVONIA DEVELOPMENT COMPANY
Routt County, Colorado

Truman H. Kuhn

July 31, 1951

DMA Docket 1555X


ACE HIGH LODE CLAIMS
LOCATED IN S-30-T10N-R82W-6TH P.M.
SLAVONIA MINING DISTRICT ROUTT CO. COL.
ACE HIGH No. 5
ACE HIGH No. 2
ACE HIGH No. 3
ACE HIGH No. 4
Radio-active (Uranium) Zone
Radio-active (Uranium) Zone
Radio-active (Uranium) Zone
Zone of Mill Site
DUMP
DISC
1500'
1200'
1000'
500'
450'
150'
100'
200'
300'
1050'
1" = 200'