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Reconstruction Finance Corporation Arizona Records

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine 'STOTTS. CaF₂

Date April 27, 1943

District Mayflower

Engineer Earl F. Hastings

Subject: Reconstruction Finance Corporation
Mine Loan

e

Docket No.	Phx C-185
Date Application Received	April 14, 1943
Date of Report	April 27, 1943

1. Name and address of applicant (correspondent):
J. D. Stotts, P. O. Box 94, Duncan, Arizona.
2. Character of project and estimated cost thereof:
CaF₂. Sink a new shaft, erect ore bins, equip. \$5,000.00.
3. Location of property:
Mayflower Mining District, Greenlee County, Arizona.
4. Applicant's interest in or ownership of property:
Applicant is owner by location.
5. Loan requested:
\$5,000.00.
6. Loan recommended:
\$5,000.00.
7. Comments:
 - (A) Added to the docket is:
 1. Letter from the applicant to the Department of Mineral Resources, dated April 21, 1943.
 2. Letter from the Indian Metals Co., Lordsburg, New Mexico, dated April 20, 1943.
 - (B) The property has been in recent operation, making small shipments of 70% CaF₂ ore to the Indian Metals Co. The purchasers state that the ore is suitable in all respects.
 - (C) Returns on 70% ore are \$7.70 per ton. The applicant states his mining cost is \$3.50 per ton and hauling \$2.15 per ton. This gives a small margin; undoubtedly, as the applicant contends, a lower mining cost can be obtained with proper equipment.
 - (D) The property is not well developed as is the case with most fluorspar mines in the area, ore having been extracted in most of them as soon as exposed. The Stott property is little more than a prospect, but one which has produced commercial ore and which shows further production possibilities with further financing and development work.

April 27, 1943

- (E) The applicant's work program is not particularly well outlined, however, the expenditures can be considered as operational to a large degree. There is no question of accessibility, the program being one of combined production and development in that development should yield commercial shipping ore in the course of progress. Therefore, while there is little if any stoping ground prepared, it is considered that there is evidence of production possibilities sufficient to warrant financing.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

Earl F. Hastings, Projects Engineer

RECONSTRUCTION FINANCE CORPORATION

MINING SECTION

REPORT OF SUPERVISING ENGINEER

Docket No. ND-8244 . . . J. D. Stotts
Date Authorization
for examination received May 10, 1943
Date of Examination . . . " 19, 1943
Date of Report June 1, 1943

NOTE: Applicant's application was reviewed by the State Engineer of the Department of Mineral Resources, who recommended a loan. A recommendation was also made by Mr. Tweedy. The application was returned from Washington to the Field Office for examination as the evidence submitted was not sufficient to reach a conclusion. It was suggested by Washington that a field examination be made to determine if there is a mineral showing presently exposed warranting further development.

The examination revealed that there was no mineral showing that could be sampled, as the applicant had mined the available ore. Applicant did not claim any ore showing and wanted funds to open up new showings farther along the strike of the vein.

1. NAME AND ADDRESS OF APPLICANT

J. D. Stotts
P.O. Box 94
Duncan, Arizona

Correspondent: Same

2. CHARACTER OF PROJECT

To develop fluorspar mine by shaft sinking and drifting from shaft.

3. LOCATION OF MINE

In Section 15, T7S., R32E. Mayflower Mining District, Greenlee County, Arizona. The nearest railroad station is Duncan, Arizona, on a branch line of the Southern Pacific Railroad, extending from Lordsburg, New Mexico. The mine is about fifteen (15) miles from Duncan and is accessible for four (4) miles by paved road, then over unimproved dirt road, which follows a wash. During the rainy season, this part of the road would be inaccessible at times.

4. APPLICANT

Applicant is an individual who believes in working for himself. He has worked this mine as long as ore was showing and then ceased. I found the applicant hoeing in a cotton-field some miles out from Duncan.

5. LOAN REQUESTED: \$5,000.00.

6. DESCRIPTION OF PROJECT

A. General Features

- (1) There are no mill, mine workings or other necessary appurtenances which are not confined within applicant's ownership.
- (2) Proposed project would comply with State Compensation or Safety-First Statutes.
- (3) There are no legal discrepancies not covered.
- (4) Right-of-way facilities are impeded by two property fences, but which have gates that can be opened.
- (5) No likelihood of surface or sub-surface trespass.

B. Existing Development

(1) Shaft and tunnel

a. Attached map shows the extent of workings. There is a shaft 30' deep and two tunnels 30 and 65' long. The surface is slightly rolling and the ore was extracted practically from the surface.

b. Sampling

There were no exposures for sampling. However, a grab sample was taken from a pile of ore stacked along side the upper tunnel. This sample assayed as follows:

<u>No.</u>	<u>CaF₂</u>	<u>SiO₂</u>	<u>CaCO₃</u>	<u>Ba</u>
1	65.72	24.77	4.94	None

c. Condition of mine workings

All openings were accessible.

d. General Features of Deposit

The rocks of the area consist of unclassified extrusives, but they appear to be volcanic tuffs and andesite.

Narrow, fine-grained dikes cut the flat lying volcanics in a N-S direction and it is along these narrow dikes that the fluorspar mineralization occurs. Where there was a concentration of fluorite on the surface, the applicant opened up

these areas with shallow tunnels and found fluorspar shoots 18 to 36" wide, but which feathered out to narrow stringers.

C. Proposed Development

The applicant was told that the lack of exposures for sampling limited the possibilities of any favorable consideration, but the applicant and your Engineer agreed that if consideration was given to his application, the following proposed development would be done:

- (1) Sink the present shaft an additional 50' and drift 100' south and 50' north, under the stopes from which approximately 300 tons have been mined.

D. Equipment

No equipment on the property.

7. COMMENTS OF SUPERVISING ENGINEER

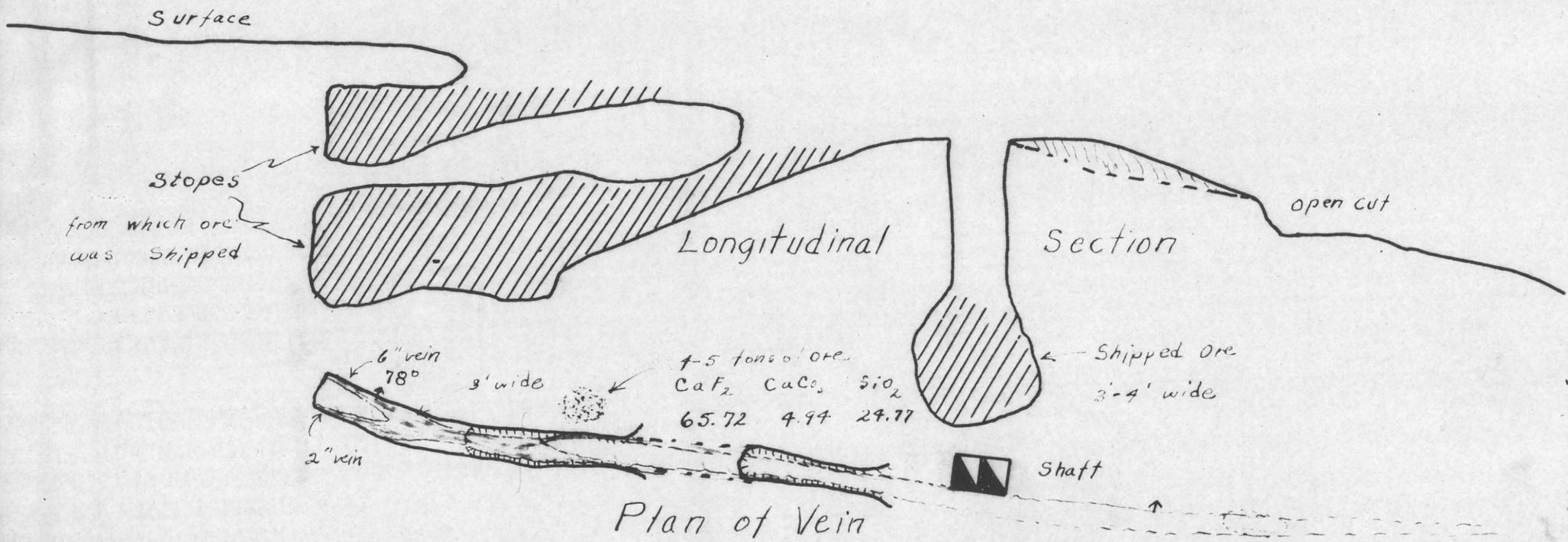
Lack of ore exposures mean that any additional work is in the nature of exploratory development. There is no equipment on the property and to do the proposed development, would entail:-

- A. Buying mine timbers for erecting a gallows frame and timbering shaft;
- B. Buying a gasoline powered hoist with 100' of cable;
- C. Buying a compressor to operate two drills;
- D. One or two drilling machines;
- E. Ore buckets, pipe, rail and other supplies.

In other words, to develop any fluorspar, the operation must start from scratch. The applicant expects to secure labor from relatives. If fluorspar is urgently needed, the proposed development might uncover another 300 tons of ore which can be milled at Lordsburg, New Mexico.

CHAS. A. RASOR
Supervising Engineer

Enclosures
1 Map
2 Assay Certificates



J. D. Stotts
 ND-8244
 scale 1"=20' May 19, 1943
 Charles A. Roser

No. 213 Ra.

Phoenix, Arizona,

CHAS. A. DIEHL

MAY 24 1945.

ARIZONA ASSAY OFFICE

Phone 3-4001

815 North First Street

P. O. Box 1148

This Certifies That samples submitted for assay by MR. J. D. STOUTS

contain as follows per ton of 2000 lbs. Avoir.

MARKS	SILVER		VALUE (Oz.)	GOLD		VALUE (Oz.)	TOTAL VALUE Of Gold and Silver	PERCENTAGE			REMARKS
	Ounces	Tenths		Ounces	Hundths			SiO_2	$CaCO_3$	CaF_2	
J.D. Stouts.											
Dump.							24.77	4.94	65.72		
							4.94				No
							65.72				Barium.
							95.43				

Charges \$ 10.00

Assayer ARIZONA ASSAY OFFICE.

Surface

Stopes
from which ore
was shipped

Longitudinal

Section

open cut

6" vein
78°
3' wide
2" vein

4-5 tons of ore
CaF₂ CaCO₃ SiO₂
65.72 4.94 29.77

Shipped ore
3'-4' wide

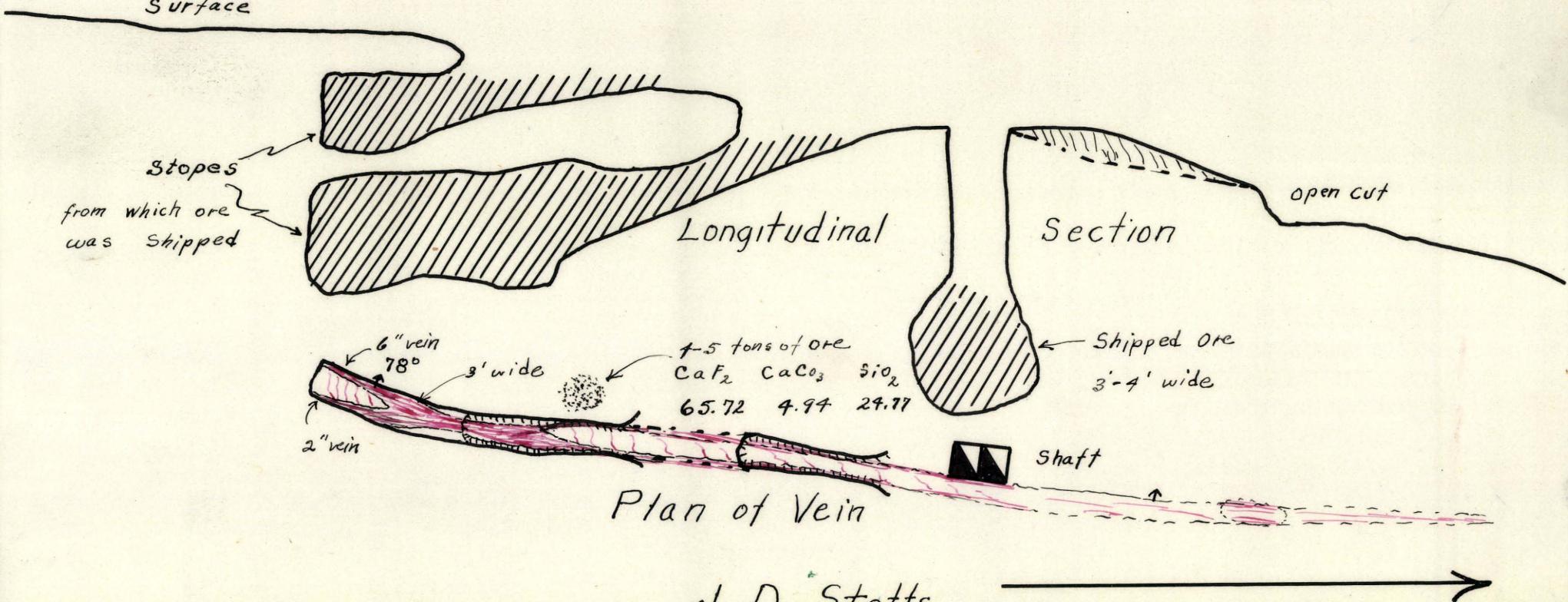
Shaft

Plan of Vein

J. D. Stotts
ND-8244

Scale 1"=20' May 19, 1943

Charles A. Roser

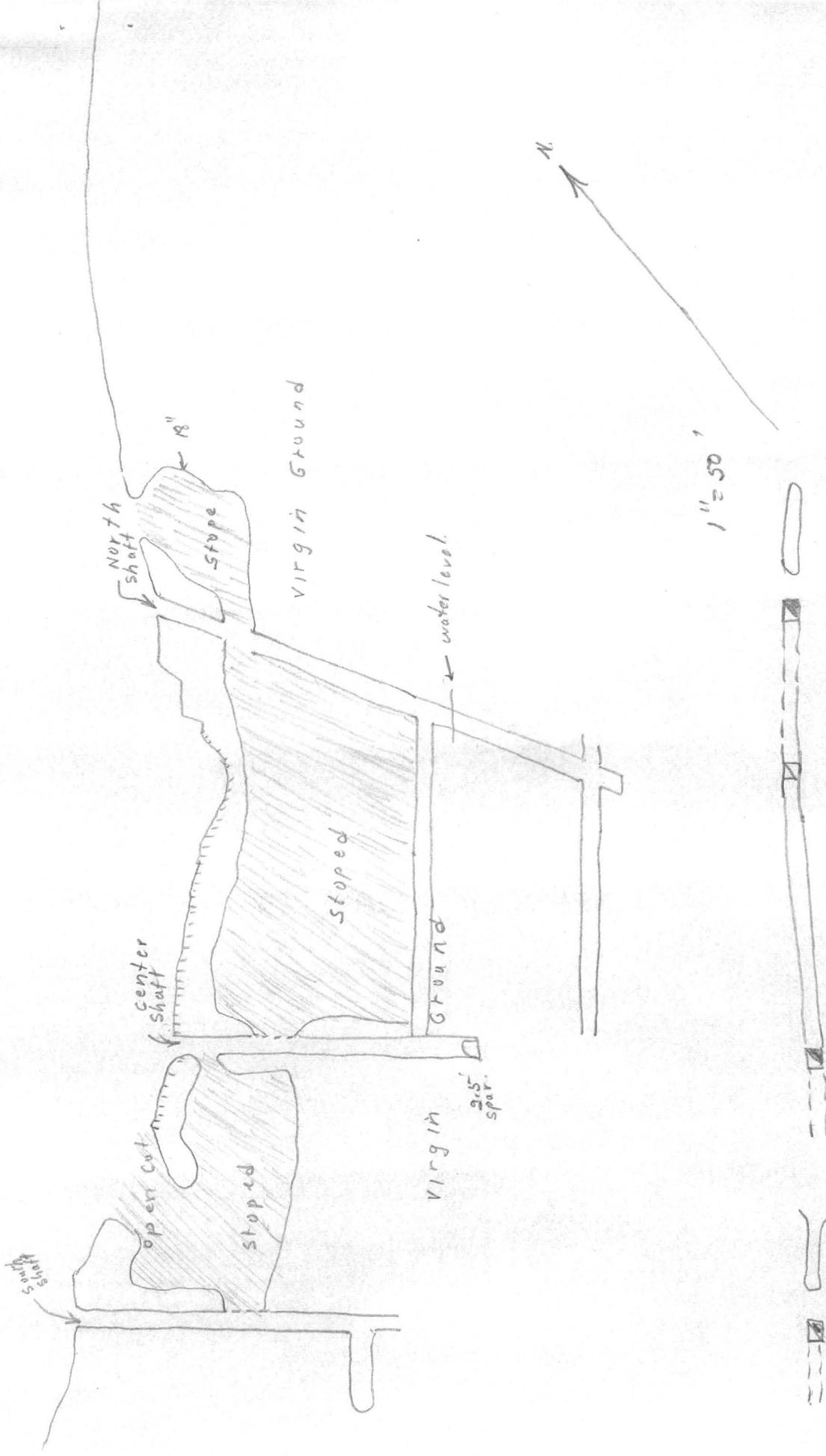


32 925
32 884
41

37
25
12

52
37
15





R. F. C.
Mining Section
Report of Supervising Engineer

Applicant's application was reviewed by the State Engineer of the Department of Mineral Resources, who recommended a loan, and a recommendation was also made by Mr. Irady. The application was returned from Washington to the Field office for examination as the evidence submitted was not sufficient to reach a conclusion. It was suggested by Washington that a field examination be made to determine if there is a mineral showing presently exposed warranting further development.

The examination revealed that ^{there was no} mineral showing that could be ^{sampled} as the applicant had mined the available area. Applicant did not claim any ore showing, and wanted funds to open up new showings farther along the strike of vein.

Packet Number	J. D. Stotts	NID- 8294
Date Authorization for Exam. Recd.		May 10, 1943
Date of Examination		May 19, 1943
Date of Report		May 1943

1. Name and Address of Applicant
J. D. Stotts
P. O. Box 94
Duncan Ariz.

Correspondent: applicant

2. Character of Project

To develop fluor spar mine by shaft sinking and drifting from shaft.

3. Location of Mine

In Sec 15, T. 7S., R. 32E, My flower Mining District, Greenlee County, Arizona. The nearest railroad station is Duenen.

is on a branch line of the Southern Pacific, ^{extending} from Lordsburg, New Mexico. The mine is about 15 miles from Duenen and is accessible for 4 miles by paved road then over unimproved dirt road which follows a wash. During the rainy season this part of ^{the} road would be impassable at times.

4. Applicant.

Applicant is an individual who believes in working for himself. He has worked other mines as long as one was showing and then ressed. I found the applicant hoeing in a cotton field, some miles out from Duenen.

5. Loan Request

\$5000

6. Description of Project

A. General Features

1. There are no mill, mine workings, or other necessary appurtenances which are not confined within applicant's ownership -
2. Proposed project would comply with state compensation or safety first statutes -
3. There are no legal discrepancies not covered -
4. Right-of-way facilities are unimpeded by two property fences, both of which have gates that can be opened -
5. No likelihood of surface or subsurface trespass.

B. Existing Development -

1. shaft and tunnel,

- a. attached map shows the extent of workings. There is a shaft 30 feet deep and two tunnels 30 and 65 feet long. The surface is slightly rolling and the ore was extracted practically from the surface -

b. Sampling

There were no exposures for sampling.

However, a grab sample

was taken from a pile of ore
stacked along side the upper tunnel.
This sample analyzed as follows -

	Ca F ₂	SiO ₂	CaCO ₃	Ba
No. 1.	65.72	24.77	4.94	none.

c. condition of mine workings
all openings were accessible

d. general features of deposit.

The rocks of the area consist
of unclassified extrusives but they
appear to be volcanic tuffs and
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Narrow, fine grained dikes cut the
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opened up these areas with shallow
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out ~~as drifting and extending~~ to narrow
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C. Proposed Development

The applicant was told that the
lack of exposures for sampling limited
the possibilities of any favorable consideration

but the applicant and your engineer agreed that if consideration was given to his application the following proposed development would be done:

1. Sink the present shaft an additional 50 feet and drift 100 feet south and 50 feet north under the slopes from which approximately 300 tons have been mined.

D. Equipment

no equipment on the property

12. Comments of Supervising Engineer

Lack of ore exposures mean that any additional work is in the nature of exploratory development.

There is no equipment on the property and to do the proposed development would entail

(1) buying mine timbers for erecting a gallery frame and timbering shaft; (2) buying a gasoline powered hoist with 100 feet of cable.

(3) buying a compressor to operate two drills, (4) one or two drilling machines,

(5) ore buckets, pipe, rail and other supplies.

In other words, to develop any prospect the operation must start from scratch. The applicant expects to get

6
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be milled at Lordsburg, New Mexico.

Charles A. Rasor
S-E

- 1 map -
- 2 Assay certificate -