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Reconstruction Finance Corporation Arizona Records

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Castle mine file

Granted

Two Friends — August 20, 1942

Twin Buttes Mining District — E. F. Hastings

Reconstruction Finance Corporation
Preliminary Development Loan

Docket No.	C-ND-7640 (25)
Date Application Received	August 19, 1942
Date of Field Examination	None
Date of Report	August 20, 1942

1. Name and address of applicant (correspondent):
   C. B. Conlin
   216 South Gale Drive
   Beverly Hills, California

2. Character of project and estimated cost thereof:
   Cleaning out and unwatering shaft and 90 foot level drift, $2,000. Supplying machinery and supplies for production, $1,500.

3. Location of property:
   Twin Buttes District, 6 miles westerly from Twin Buttes, Pima County, Arizona

4. Applicant's interest in or ownership of property:
   Applicant has lease at 10% royalty with option to purchase at $5,000.

5. Loan requested:
   $3,500.00

6. Loan recommended:
   $3,500.00

7. Comments:

   (a) The property is still in the prospect stage there being only some 100 feet of lateral workings from a 90 foot shaft.
   (b) These workings show commercial widths and grade of ore above the water level, and there is some evidence that those conditions continue to the lowest workings.
   (c) To make the operation self-supporting with the amount of this loan might be more difficult than the owner anticipates, and the net metal gained by such "hand-to-mouth" methods would be of little value compared to the capital risk.
   (d) Work should be limited to the rehabilitation of under water workings, and any balance over and above the cost of this work should be applied to development of the 90 foot level drift to open up the mine laterally. Following this, the property should be studied with an extensive development campaign in mind. By such a program there would result, if the property develops

satisfactorily in area and grade of ores, an appreciable metal production rather than meager "dribbling" shipments. Should the mine not develop satisfactorily, or not have sufficient merit for development following unwatering, then the ores now know to be present should be removed and the proceeds applied against the loan.

ARIZONA DEPARTMENT OF MINERAL RESOURCES

E. F. Hastings, Assistant Director and
Projects Engineer

Reviewed and approved: _____
J. S. Coupal, Director

Proposed Development Program

Sink 75 feet @ 40.00	3000	
Drift 150 feet @ 15.00	2250	
Raise 100 feet @ 15.00	1500	
		6750
Hoist	750	
Trasp. insurance, unforseen	850	
Interest 8500, 4 mos @ 5	150	
		1750
~~Total~~		$ 8500

85
5
4250
1417

Fat from Sahuarita to El Paso 2.86
$15 and less

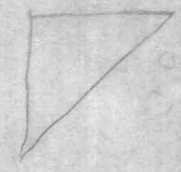
3.50 Base

5 1/2 from good hard road 1 mi S of Twin Buttes
5 1/2 in good road
Hi way to Sahu 9 1/2 down hill
Total ~~18 1/2~~ 15

Tucson to Mine 32 miles ~~down~~
$1.50 in quantity

25
25
625
0
1875
468
490

3
3
9.5



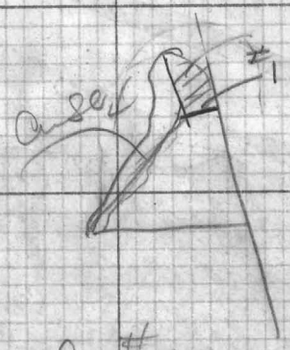
Coulin #1 Two Friends now Castle mine (file)

Sample #1 11" in face 50' level

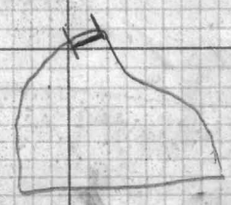
Qtz & sil. CR w/ ½" seam green stained gouge on HW. ~~Fw~~ Shows Cu Stn no other mineral. FW below vein shows by incrustation CuSO4

Face is 3½' wide

0
10
20
30
40

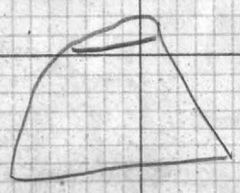


10' Sample #2 10" Green Cu (hy) w/ 3" soft black-gy sulfide in middle. Soft Brown gouge FW. Stns on FW



20' Sample #3 20". Poorer than above rare Sulf. More hd qtz & silicified CR

1½" on HW sulf & stn.

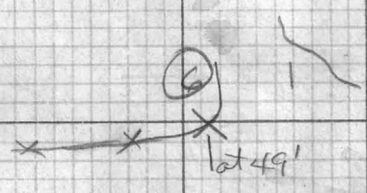


Sample #4 22" 3" good stringer in 12" width plus far mat

Sample #5 10" CR w/ consid sulphides

#2 Shaft ℄ N60E 52½'

face



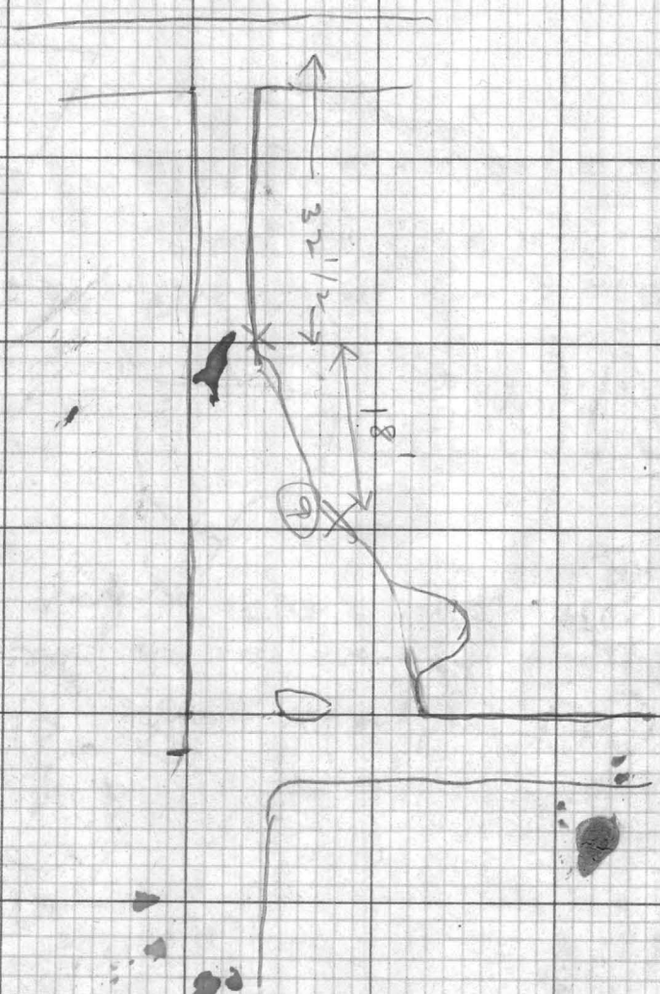
30' from face Sample #6

Shaft is N55E 6.5 x 21" 1½ comp

mich 70'

Stope mich 600

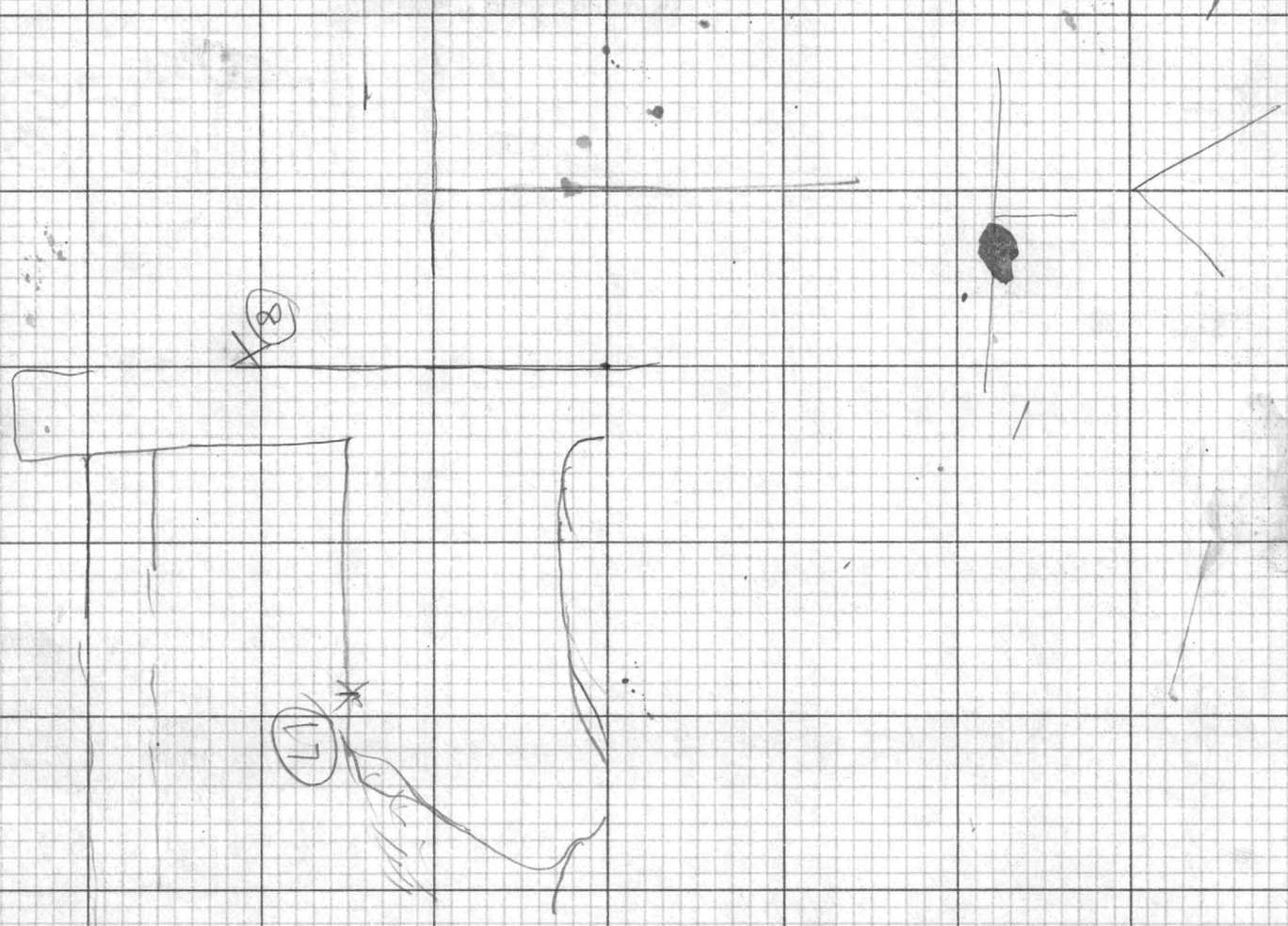
#9 10" wide no sulfide zone on vein



65' level

22' to end fm ℄ shaft

17' to sample #7 in floor 18"



Sample #8 in wall of shaft at 75 Hvy sulf. large chunk
10" width showing might be wider.

Main shaft
stope N62E 32.5
72.5

Shaft #2

#10. Start of stope 10"
Oxidized br. & wh. some
Sulfide

11 do 10 back toward shaft 9" Br. w/ galena in center 3"

12 do 20 7" Soft gm/w stringer

at shaft-2' 13 Hd Qtz w/ Fe stm specks galena 19" iron sulf.
'8 fm #12

Main shaft

S20 W 150'

30' shaft w/ 12" lead stringer some on dump strong strike N65E
dips 65°S [illegible]

Esperanza strikes N52°E