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RENO OFFICE  
RECONSTRUCTION FINANCE CORPORATION  
MINING SECTION  
FIELD REPORT

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Docket No. ND-8218

Date of Examination  
Date of Report

September 2-4, 1943  
September 10, 1943

NAME AND ADDRESS OF APPLICANT

Eleanor S. Manson  
P.O. Box 46  
Mason, Nevada

Correspondent: Same

CHARACTER OF PROJECT

The Applicant proposes to rehabilitate the Western Nevada Mine, and mine remnant ore bodies left by the former operators-The Nevada Douglas Mining Company.

LOCATION OF MINE

The Dewey and Sure Shot Patented Mining Claims are located in Section 6, Township 12 N., Range 25 E., MDM & B., and 2½ miles southwest of Mason, Nevada. The property is reached over a desert canyon road subject to damage by seasonal storms. Railroad facilities are furnished by the Nevada Copper Belt Railroad, which connects with the Southern Pacific Company's Mina Branch at Wabuska, Nevada.

APPLICANT

Eleanor S. Manson (Mrs. Leo Manson) is acting for her husband Leo Manson. Mr. Manson is a ship carpenter by trade, with varied mining experience.

Mr. Manson states he recovered approximately \$67,000 from gold placer and furs in the Yellow Knife and Great Bear Lake Districts of Canada in 1914. Later he invested in a thirty ton Mace smelter and attempted to operate the same on a property north of Ketchum, Idaho.

About two years ago Manson moved his smelter from Idaho to the property of J. A. Lengwith in Galena Canyon south of Battle Mountain, Nevada. Manson struggled with the furnace for several months, and then deeded his interest in the smelter and equipment to the local operating corporation and abandoned the project.

The Mansons are industrious persons of good character, but not especially well trained to operate a marginal mineral deposit.

LOAN REQUESTED

The Applicant requests a loan of \$5000.00.

LOAN RECOMMENDED

A loan is not recommended for this project.

DESCRIPTION OF PROJECT

The Western Nevada Mine has been inactive for about twenty-five years. The mine was developed by two adit levels and a shaft sunk at least three hundred feet below the second adit level. The



development work on the levels leading from the shaft is confined to a small area principally under the glory hole stope on the second adit level. Two crosscuts on the adit level explore 1030 feet northwest of the portal without exposing additional ore shoots.

The adit levels are open and in good condition with free circulation of air through connecting raises. The shaft is well preserved 300 feet below the collar in the second adit. The first shaft level is in good repair except for a few chutes which have collapsed allowing the rock above these chutes to cave into the drifts. The second shaft station has caved twenty feet back from the shaft, but could be reopened by approximately 20 man shifts of labor, and six sets of heavy timber. The third station is caved and the shaft filled with muck below that level.

The appearance of the mine suggests that work was suddenly suspended, as tools and loaded mine cars were left on the lower levels.

The former operators, The Nevada Douglas Company, developed this property during the operation of the Mason Valley Smelter, and it is reported they abandoned the mine when this smelter discontinued operations.

#### GEOLOGY

The principal rocks in the district are Mesozoic sediments of limestone and shales intruded by granodiorite and monzonite. A series of Tertiary lavas lie unconformably above the older rocks.

At the Western Nevada, erosion has destroyed the overlying lava and exposed the metamorphosed limestone, in which the ore is found. The mineralization appears to have been concentrated along the intersection of pre-mineral faults and favorable limestone beds by the solution escaping from the intrusive rocks. The mineralization that accompanied the intrusions converted most of the sediments to garnet-epidote masses with accessory minerals of pyrite, chalcopyrite, and bornite.

The secondary minerals developed by the oxidization of these sulphides are chiefly iron and copper sulphates with lesser amounts of carbonate ore.

#### SAMPLES

The accompanying maps of the lower adit and the third level show the positions from which fifteen samples were taken.

The adit level has a limited amount of ore exposed in the drift near the glory hole stope and a pillar in the south end of the same stope.

A weighted average of samples Nos. 576 to 579, inclusive, is 5.4 % copper. It is estimated there are 165 tons of this grade of ore.

The other samples on the adit level are not commercial ore.

The results of the third level samples indicate this material is below shipping grade. While some ore could be selected from the broken rock in the chutes, it is unlikely that sufficient ore can be recovered in this manner to justify reconditioning the hoist and laying the track from the shaft to the chutes.

The estimated return from shipping 5.4 per cent copper ore from this property, based upon a quotation to Mr. Manson from the



American Smelting and Refining Company is as follows:

Basic metal price for 5.4% Cu	\$ 8.63
Premium of 5¢ on 5.4% ore	5.24
Total metal value	<u>\$13.87</u>

Less treatment of	\$2.75 per ton	
Freight Mason to		
Garfield, Utah	4.20	" "
Trucking mine to		
Mason, 2½ miles	1.00	" "
Estimated Mining		
Cost	5.00	" "
	<u>12.95</u>	

Estimated net return for profit and refunding loan \$0.92

ASSAY AND WEIGHTED AVERAGE VALUE OF ORE

Sample No. 576	- 3' x 1.9% Cu =	5.7
" " 577	- 7' x 6.3% Cu =	44.1
" " 578	- 6' x 3.0% Cu =	18.0
	<u>16</u>	<u>67.8</u>

$$\frac{67.8}{16} = 4.24$$

Average 5.33 ft. of 4.24% Cu

Tonnage  $5.33 \times 10 \times 30 = 1600$  cubic feet or 133 tons

Sample 579 - 7' of 10.2% Cu

Tonnage  $7 \times \frac{10 \times 11}{2} = 385$  cubic feet or 32 tons

4.24 x 133	=	564
10.2 x 32	=	326
<u>165</u>		<u>890</u>

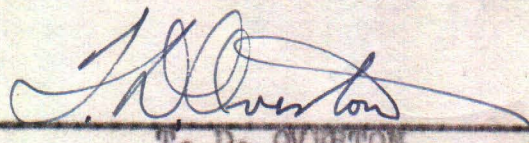
$$\frac{890}{165} = 5.4\%$$

CONCLUSION

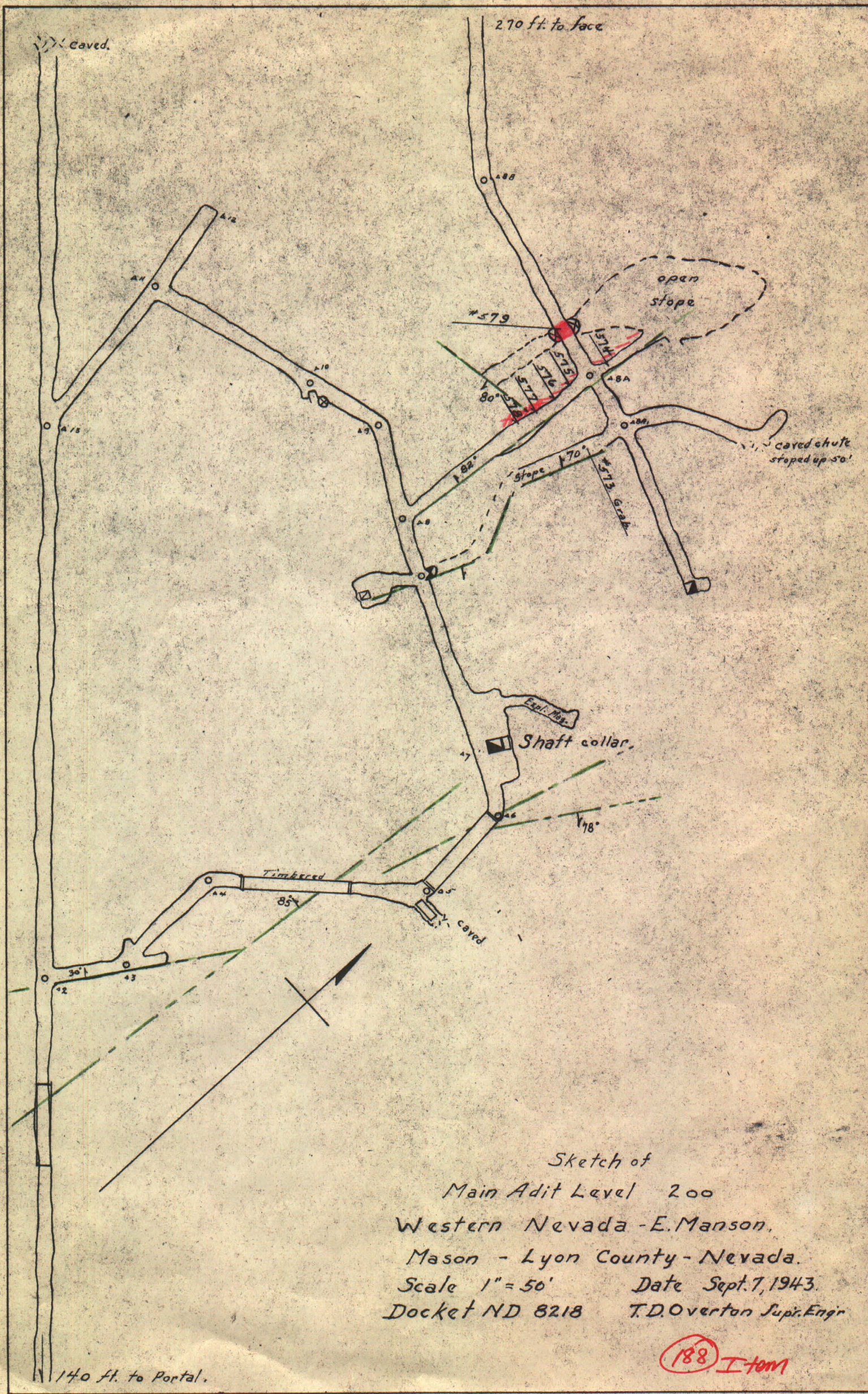
The general low average of the samples from this property indicates its marginal character, and the limited tonnage of ore available is insufficient to justify the expenditure of loan funds to reopen this mine.

RECOMMENDATION

It is recommended that this application for a loan be declined.

  
T. D. OVERTON  
Engineer

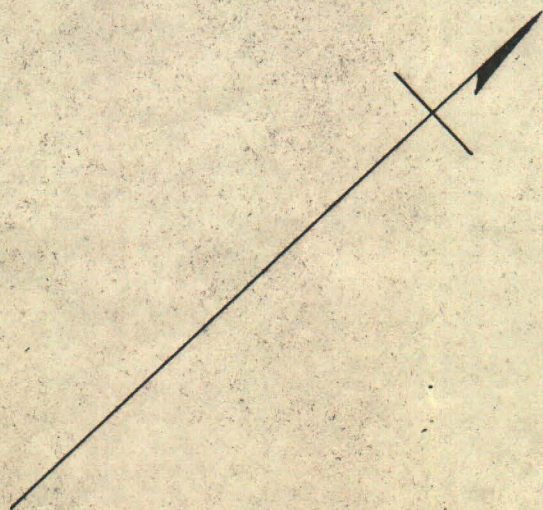
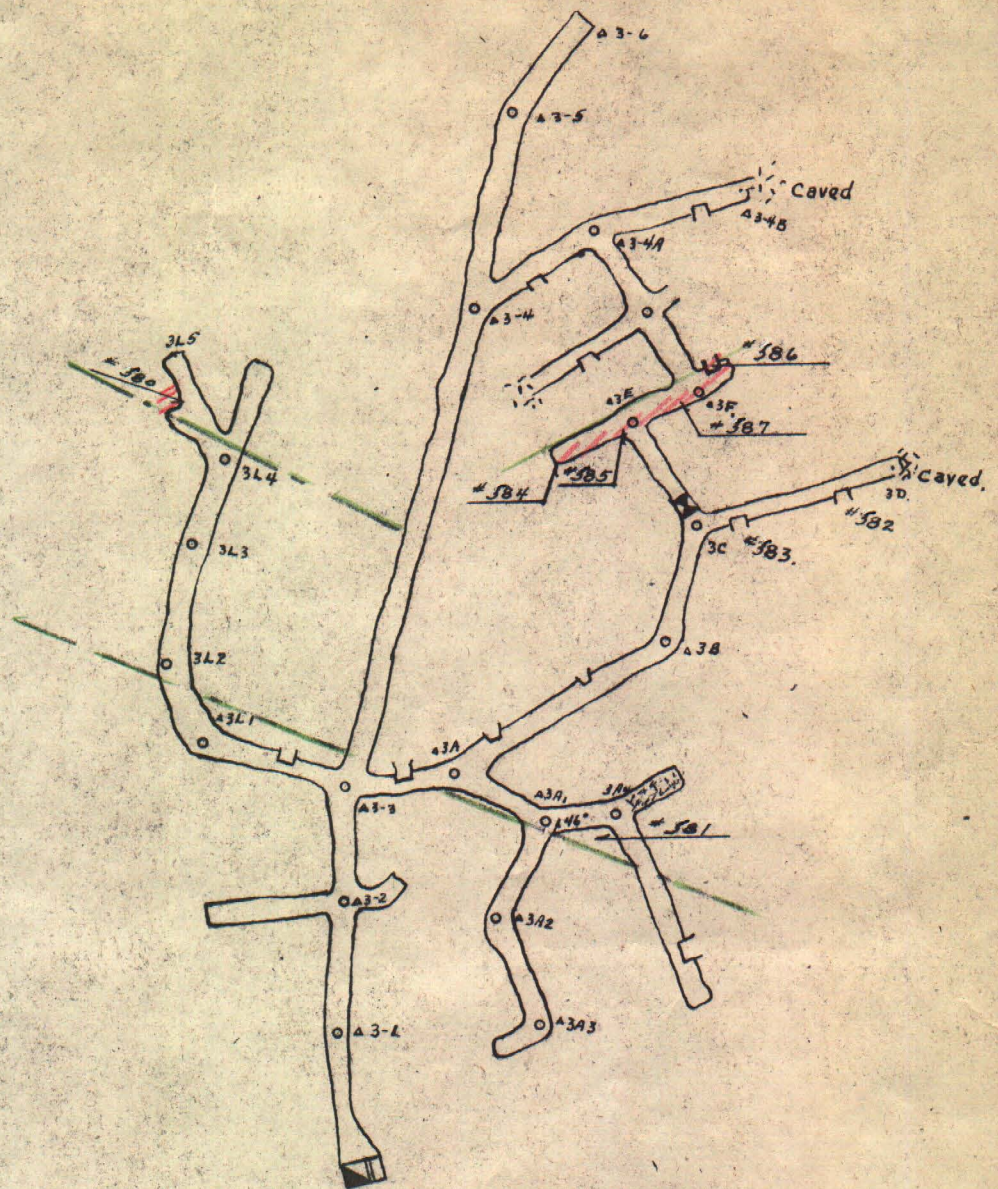




Sketch of  
 Main Adit Level 200  
 Western Nevada - E. Manson,  
 Mason - Lyon County - Nevada.  
 Scale 1" = 50'      Date Sept. 7, 1943.  
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Sketch of  
 300 Levee 1  
 Western Nevada - E. Manson.  
 Mason - Lyon County - Nevada.  
 Scale 1" = 50' - Date Sept. 6, 1943.  
 Docket ND-8218 T. D. Overton, Supr. Eng'r.

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 Item