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MENTOR ETNYRE

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E. J. Wenfanger

327

Item 34

THE HI MINE
Ely, Nevada

A BRIEF REPORT ON "HI" MINE
ELY DISTRICT, NEVADA

This property was visited during the week of July 28, 1935, for the purpose of checking the reported potentials and economics.

The south boundary of the Hi Mine property is approximately one-half mile from the Nevada Consolidated open cut operation, known commonly in the Nevada country as the Ely "Glory Hole", and in which extensive mining has been conducted since 1906. This "Hole" is approximately one mile in length, by three-fourths of a mile in width and of a depth of around 620 feet.

The local reports there state that the company has proven a great deposit of commercial ore below the floor of the "hole" as the result of drilling to a depth of 1500 feet.

The geology and mineralogy, and history of the region to 1917 are well recounted by Arthur C. Spencer in U. S. G. S. Professional Paper #96, The Geology and Ore Deposits of Ely, Nevada. The report is of a detailed nature and voluminous.

The southern portion of the Hi Mine claims can be located on Plate VI, opposite page 112, and bordering the Lucky Boy group on the east, and the Ely Central Group on the North (Consolidated Copper Company), with the important open cut operations of the Nevada Consolidated Copper Company (Copper Flat Group) to the south.

Since the publication of Professional Paper #96 the holdings of both companies in the district have been increased as the result of a wide campaign of drilling to the north, east and west. Westward the area has been proven beyond the boundaries of any map which appears in the report; northward from the Hi Mine claims there has been considerable drilling and development, all of which tends to prove that the Hi Mine group is surrounded by great areas of commercial ore and proven properties. The ore on the Hi Mine claims appears to be much the same as that commercially mined by the large mining companies of the district, and, in like manner, may be mined and treated at the McGill smelter.

There are a number of strong veins exposed on the surface and samples therefrom, upon being assayed, warrant a favorable opinion of the values in the ore.

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The combination of low freight rate to the smelter, short haul to the railroad loading rack, a low smelter treatment charge, and the favorable economic conditions result in the opinion that the property be recommended for thorough sampling and additional exploration, and with the belief that thereby the apparent great potentialities of the property will be verified.

Mentor Etnyre
2215a N Street
Sacramento, California

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BRIEF REPORT OF "HI" MINE NEAR RUTH, NEVADA

The property consists of twenty lode mining claims, comprising 400 acres, more or less, located about one mile from the mining town of Ruth, and about four miles from Ely.

The loading rack of the Nevada Consolidated Mines railroad is less than a mile from the property. This railroad hauls the ores of the district to the company's smelter at McGill, Nevada, about 15 miles north of Ely.

Freight to the smelter is 20¢ per ton, as is shown on the smelter return herewith.

Smelter charges for treating the ore are from \$2.00 to \$2.50 per ton.

The property is practically surrounded by the holdings of the Nevada Consolidated Mines Company, and those of the Consolidated Mines Company - the Nevada Consolidated open-cut mining operation, widely known as the "glory hole" is directly south of this 400 acres and within less than 2500 feet of the boundary. The ore exposed in the "glory hole" strikes directly across the 400 acres and several of the veins can be observed cropping within the property boundaries.

The ore in the "glory hole" is broken by a series of churn-drill holes put down along the sides of each bench or terrace and, after blasting, is loaded by power shovels direct to cars and hauled to the smelter at McGill. By this method mining costs are extremely low and an immense tonnage of ore is treated. There is a great tonnage of the ore on the Hi claims that can be excavated and handled in a similar manner.

There appears to be ample water on the property for mining and other purposes. There are several cabins in good condition and ample for housing a small crew.

The topography is rolling, with a considerable rise in the western portion. A good surfaced road leads to and across the claims.

Economic conditions are excellent, and operations can be conducted throughout the year.

Assay records herewith represent thirteen samples of ore taken from surface croppings and shallow openings on the claims.

The property has a rather unusual degree of merit and I am justified in recommending it as worthy of operation.

G. F. BODFISH, E.M.

August, 1935.

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NEVADA CONSOLIDATED COPPER CORPORATION
NEVADA MINES

Settlement for Siliceous Flux Received September 1934

THE "HI" MINE

Date Sampled	Lot Number	Number Cars	Wet weight Pounds	% H ₂ O	Dry Weight Pounds	A S S A Y		% SiO ₂	% Fe
						Ozs. Au.	Per Ton Ag.		
9/30/34	1	1	117,200	1.30	115,575	0.21	3.82	28.7	13.4

C O N T E N T S
Ounces

<u>Gold</u>	<u>Silver</u>
12.146	220.94
95%	90%
11.539	198.85

11.539 Ounces Gold @ \$32.897 per ounce - - - - - \$379.60
198.85 Ounces Silver @ 64.125¢ per ounce - - - - - 127.51
Total value - - - - - \$507.11

Gross value per dry ton of ore - - - - - \$ 8.77

Treatment rate - - - - - \$2.00
Iron penalty - 0.4% @ 5¢ per Unit - - .02
Silica Penalty 6.3% @ 5¢ per Unit - - .315 - - - - - \$ 2.335

Total value of ore as above - - - - - \$507.11
Less treatment - 57.838 dry tons of ore @ \$2.335 per ton \$135.05
Less freight - 58.60 tons of ore @ 20¢ per ton - - - - - 11.72 146.77

Balance due and payable - - - - - \$360.34

Rates subject to change without notice when note under contract or for a specified tonnage.

F. E. HUFFER
Chief Clerk

Settlement No. 4

McGill, Nevada
October 10th, 1934.

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ASSAY REPORT
HI MINE

Sample	Marks	Metals	Amount Ozs.	per ton Hds.	Per Cent	Value Per Ton Dollars- Cents	Total
S & G	1	Gold	.76			\$26.60	
		Silver	9.10			7.01	\$33.61
" "	2	Gold	.32			11.20	
		Silver	19.40			14.94	26.14
" "	3	Gold	.20			7.00	
		Silver	3.20			2.46	9.46
" "	4	Gold	.10			3.50	
		Silver	2.80			2.16	5.66
" "	5	Gold	.12			4.20	
		Silver	5.80			4.47	8.67
" "	6	Gold	.16			5.60	
		Silver	11.20			8.62	14.22
" "	7	Gold	.14			4.90	
		Silver	2.00			1.54	6.44
" "	8	Gold	.32			11.20	
		Silver	4.90			3.77	14.97
" "	9	Gold	.08			2.80	
		Silver	1.40			1.08	
		Copper			7.4%	5.92	
		Lead			19.9%	9.95	19.75
" "	10	Gold	trace				
		Silver	5.40			4.16	
		Copper			1.3%	1.04	
		Lead			8.6%	4.30	9.50
" "	11	Gold	.10			3.50	
		Silver	4.40			3.39	
		Copper			trace		6.89
" "	12	Gold	.08			2.80	
		Silver	4.30			3.31	
		Copper			11.2%	9.96	16.07
" "	13	Gold	.20			7.00	7.00
		Silica (insoluble)			53.2%		

Gold at \$35.00

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Consolidated Copper Co-holdings

