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ADAMANT BOND

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T H E   T W O   C O U N T I E S   M I N E

Battle Mountain - Lander County,

N e v a d a

Examination: Nov. 11, 1913.  
Report: Dec. 7, 1913  
By: W.H. SIRDEVAN.

R e p o r t

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T H E   T W O   C O U N T I E S   M I N E

The Two Counties Mine is located about eight miles west from Battle Mountain on the boundary line between Lander and Humboldt Counties.

The property is owned by William Licking of Battle Mountain, and is at present under lease and bond to J. Carleton Bray and W. Shelby. Bray and Shelby are shipping about a carload per month of 5% to 6% copper ore. Hauling to the railroad (about three miles) freight, and treatment at the smelter cost about \$9 per ton - leaving a net profit of \$6 - \$9 per ton.

The country rock is quartzite. The mineralized zone varies from 3' to 8' in width, and has been developed for about 150 feet along the strike and 75 feet in depth. See the accompanying plate giving the location of the samples and the assay results.

The workings are in the oxidized zone, and the ore shows malachite and azurite seams in fractured and stained quartzite. In some places the quartzite is mineralized throughout. Massive chrysocolla occurs with occasional blotches of cuprite. A dull black mineral intimately associated with the malachite and chrysocolla is found on the lower level. This mineral resembles chalcocite but may be only a mixture of manganese and the oxidized copper minerals.

The water level is probably less than 200 feet in depth as there are springs at this lower elevation not far distant.

Sinking the shaft to a depth of 200 feet should reach either the zone of secondary enrichment or the primary zone.

The surface indications are not favorable for the occurrence of a large body of ore in depth. The shape of the ore zone as developed at present is irregular on the hanging wall side but follows a strong slip on the footwall. Crosscutting from the present workings may show a wider oxidized zone than that now developed, and the prospect will

then be worth investigation.

The best prospect for the property as it shows up at present is to make a good, small tonnage, shipping proposition.

Terms

Total price \$40,000. No payments required for the first year. \$3000 due Oct. 1, 1914. Balance due in 1915. The shaft is to be sunk to water level as the first development.

This price covers the three claims located along the strike of the ore body, and any nearby claims that are necessary to make a working group.

Conclusions

The property is not recommended for further consideration at the present time.

If future development work by the lessees opens up a larger oxidized zone another examination should be made.

No.	Width	% Cu	Value	Location
74	5'	1.95%	\$5.85	S. Face - 50' Level
80	2'	.71%	\$2.10	N " - Lean Streak
81	1'	5.70%	\$17.10	" " - Best Ore
102	15'	2.38%		Open Cut - Sample by K&M
103	Grab	5.58%		Sorted Ore " " "
105	"	5.85%		" " 5 tons " " "
106	"	5.75%		" " 20 " " " "
108	3'	6.45%		N. Face - 50' Level " " "

## TWO COUNTIES MINE

Battle Mountain - Nevada

Scale: 1" = 40'

