GEOLOGICAL SURVEY OF WYOMING

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MINERAL REPORT #MR 82-1

FIELD NOTES ON THE ORIOLE MINE, WAR BONNET COPPER MINING DISTRICT, CONVERSE COUNTY, WYOMING

by

W. Dan Hausel

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The Oriole Mine occurs in the SE$\frac{1}{4}$ sec. 10, T.29N., R.75 W. of the Warbonnet Copper district of Converse County, Wyoming (Figure 1). The mine lies east of the Cold Spring Road adjacent to La Prele Creek.

Two shallow shafts were sunk on intensely fractured and silicified mafic rock hosted by granite. Prominent ore minerals found on the mine dump include pyrite, chalcopyrite, and malachite. A selected sample of mineralized mafic rock assayed 1.11 percent copper (Figure 2). Spencer (1916, p. 76) reported that several hundred tons of rock carrying as much as 3 percent copper had been shipped from this Property.

REFERENCE

Spencer, A.C., 1916, The Atlantic Gold district and the north Laramie Mountains, Fremont, Converse, and Albany Counites, Wyoming: U.S. Geological Survey Bulletin 626, 178 p.

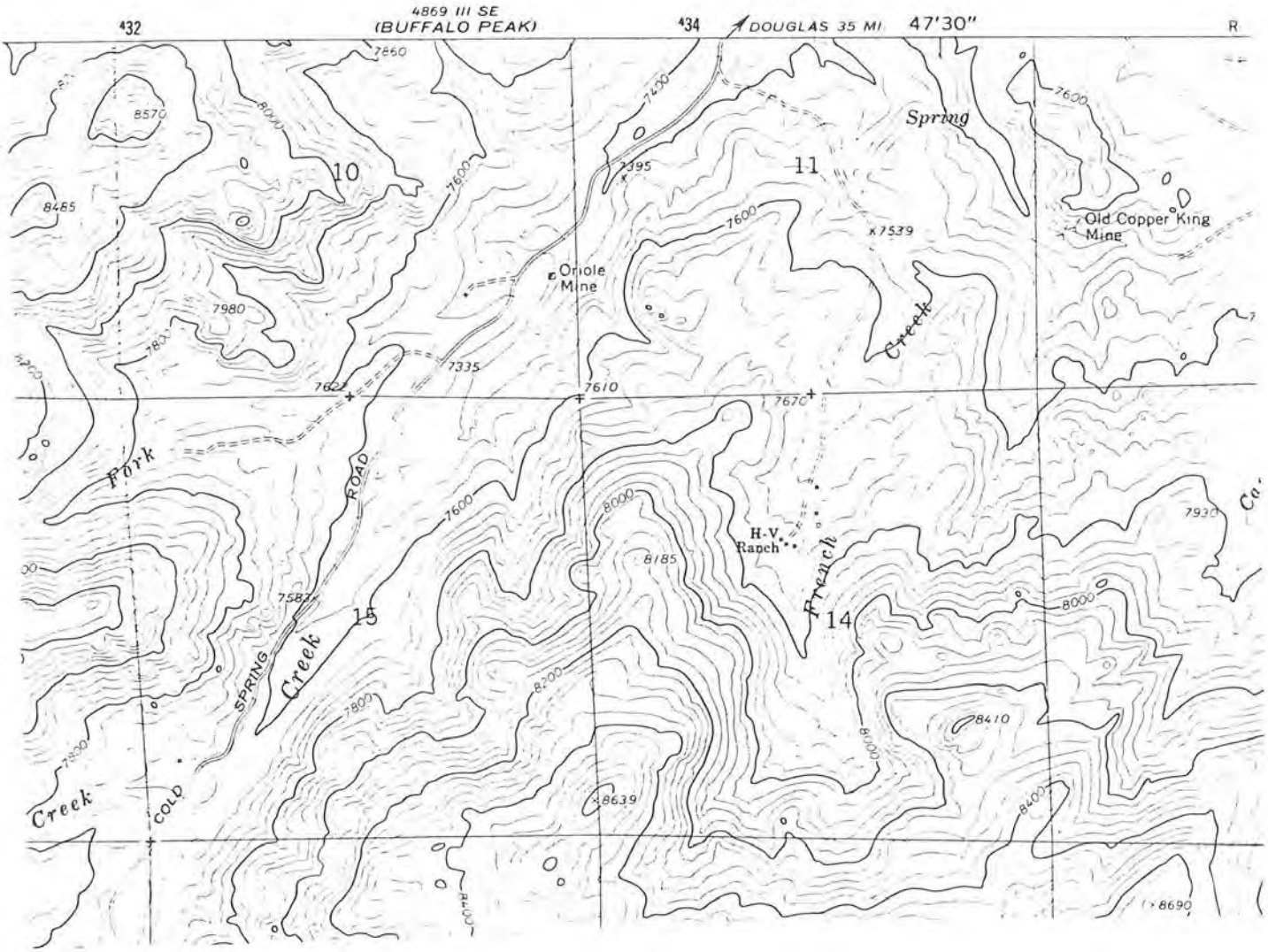

Figure 1. Location map of the Oriole Mine (base map U.S. Geological Survey Warbonnet Peak 7½-minute quadrangle).

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REPORT OF ANALYSIS

Customer ID		(29-14-85) BP-1, Portland Mine	(sec. 1, 15-79.) CR-3-13-14, Mother Lode	(10-29-75) ES-1, Oriole Mine	(3-10, 28N, 71W) ES6-8, Tenderfoot Mine	HP-18, Fletcher Park
Lab No.		9859	9860	9861	9862	9863
Gold	oz/ton	<0.01	<0.01	--	<0.01	<0.01
Copper	%	2.75	--	1.11	--	0.135
Platinum	oz/ton	--	<0.01	--	--	--
Silver	oz/ton	--	--	--	--	<0.01
Zinc	mg/L	81.4	--	--	--	46.9

Figure 2. Assay report of sample ES-1.