

THE PACIFIC COAST MINING CO.

(By E. E. Andrews.)

The Pacific Coast Mining Company's plant and property are located at Nos. 6 and 7 below, Bonanza Creek. The pumping plant consists of the following machinery:

Boilers—Two batteries of two each, water-tubed, tested at 22½ pounds running pressure; total, 528 horsepower. Stack, 54 inches by 125 feet. (Cahall, built by Aukman, Taylor & Co., Mansfield, Ohio.)

Engines—One cross-compound high duty, fly wheel, coreless valve, 22x44 cylinders (36) stroke (13) plungers, pumping engine. Direct connected jet condensing boiler feed attachment. Capacity, 3,000 U. S. gallons per minute at 37 revolutions to a head of 300 to 400 feet. Built by Snow Steam Pump Works, Buffalo, N. Y.

Smaller machinery—One compound duplex double-acting independent jet condensing pumping engine. Capacity, 1,500 gallons per minute. One Barnes drill press, one pipe cutting machine, 8 inches and down; one shaper, one emery stone, one Lodge & Shipley lathe (36-in. sweep and 10 ft. centers); taper attachments; one 20 horsepower upright shop engine; one direct connected general electric plant (150 lights), etc.

Points of interest about the plant—The large engine weighs 228,000 pounds, three of the pieces weighing over 24,000 pounds each. It required 50 tons of cement for the foundation. There are 384 four-inch valves giving it a large area. Made special by the Snow Steam Pump Works for this country and particular attention was paid to the fact that the water to be pumped carried a large percentage of sediment. It cost over \$120,000 for the plant and installation. The pumps