

OPERATIONS

The reactor was charged with 425 pounds of catalyst from Montebello Run 12. This catalyst had been in service for 120 hours and showed a final density of 91 #/cu.ft. in the synthesis reactor. As charged to the Stratco, it showed an aeriated density of $122\frac{1}{2}$ #/cu.ft., a settled density of 130 #/cu.ft. and a packed density of 168 #/cu.ft.

Two loading tests were made with a stationary wheel at gas velocities of 1.36 ft./sec. and 2.09 ft./sec. in the dilute phase, the corresponding velocities in the wheel being 2.05 ft./sec. and 3.15 ft./sec.

The wheel was then operated at a speed of 1000 R.P.M. with a gas velocity of 2.09 ft./sec. in the dilute phase and 3.15 ft./sec. in the wheel for a period of 30 hours.

At the end of this period the carry-over had fallen to 0.16 grains per cubic foot and the gas velocity was increased to 2.90 ft./sec. in the dilute phase and 4.40 ft./sec. in the wheel. The test was continued at these conditions until the loading had fallen to 1.37 grains per cubic foot.