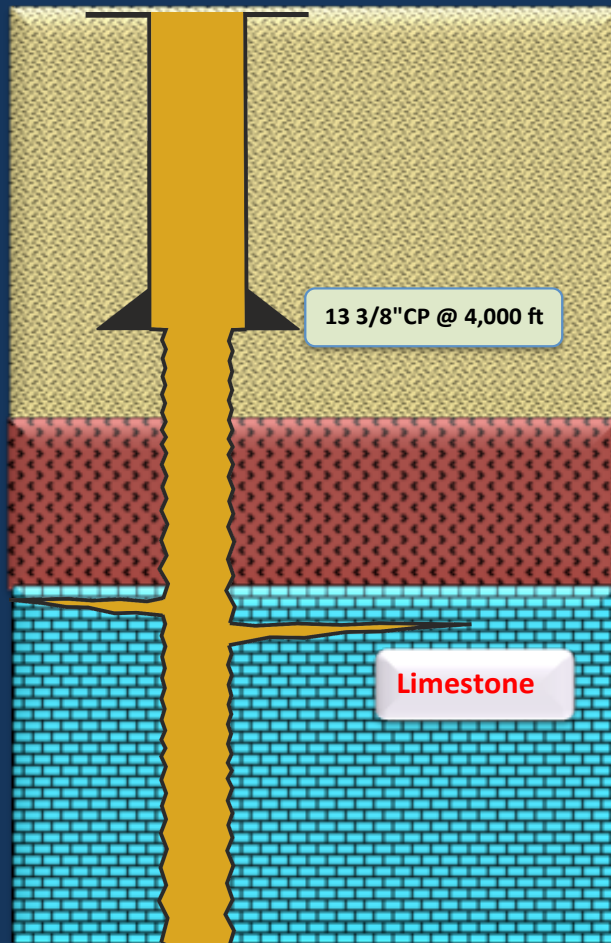


CURING 1,020 BPH (TOTAL) LOSSES in "LOWER PENDOPO" Fractured Limestone - Indonesia



The Challenge

To control **Severe/ Total losses** expected in the Pendopo and Lower Pendopo formations from 4,000 ft to 5,615 ft. The Lower Pendopo is a highly porous and fractured limestone formation, one of infamous interval for Severe and Total losses.

The Action

Drilling 12¼" hole, the active circulating system was pre-treated with **6.0-8.0 ppb FRACSEAL®** starting from 4,000 ft until casing point @5,615 ft. In case of severe losses, the hole was swept with pills containing **60-70 ppb** total combination of **FRACSEAL®** and **CaCO3 Fine**.

The Result

Wireline Caliper logs data showed achieving excellent hole size (gauged hole) and shape starting from 4,000 ft to casing point at 5,615 ft. The 9⅝" casing was smoothly run and cemented. Overall 12¼" hole section was an improved drilling efficiency, wireline logs and also reducing Non Productive Time.