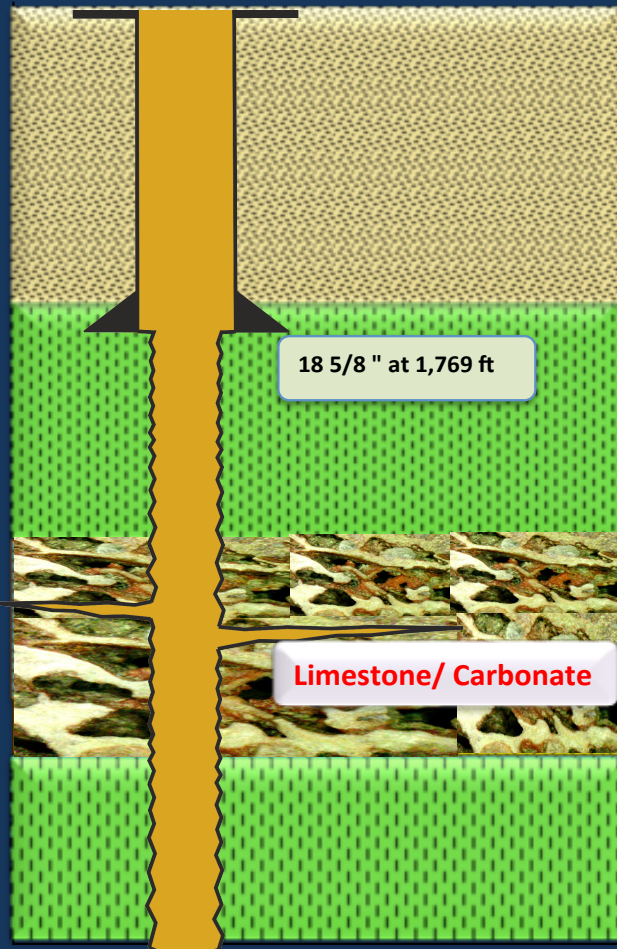


## DYNAMIC LOSS >110 BPH into "WONOCOLO" FORMATION - Madura Strait, Indonesia



### The Challenge

To overcome **losses in the Wonocolo formation**. One of the most difficult carbonate / limestone loss zones to plug off. Some of experienced drilling personnel believe that **Wonocolo is incurable**. Nothing can stop if losses occur in this formation.

### The Action

Starting from last casing at 1,769 ft, despite of losses at >110 bph drilling from 1,790 ft, the 17½" hole was **blind drilled to 3,189 ft (1,420 ft interval)** using Seawater and Hivis sweeps. At 3,189 ft, (after passing through the Wonocolo formation) **STOPLOSS pill of 777 bbls @ 45 ppb concentration was deployed** in attempt to seal off the loss zone.

### The Result

After spotting STOPLOSS Static losses **drastically reduced to 10 bph and then Zero**. As static, the hole was then displaced to 9.8 KCL Lime Polymer mud and drilling operation was resumed without any problems.