



## CASE HISTORY

Drilling and Completions

MTM HATCH Packer

### CEMENT INTEGRITY USING THE MTM HATCH PACKER

Production Casing Requires Two-Stage Cementing

Location: Indonesia



**CHALLENGE:** Production casing requires two-stage cementing for proper placement of cement and gas migration control. Well construction generally requires that NO elastomeric seal devices are included in the production casing. When stage cementing or gas migration controls are required, as in this job, the HATCH packer system provides a metal-to-metal (MTM) seal system to eliminate the elastomeric seal normally contained in the stage cementing tools.

**SOLUTION:** A 9 5/8 in. MTM seal HATCH packer (Casing Annulus Packer and Port Collar) was run and positioned above the shallow gas zones. First stage cement operations were performed, the plug bumped and the Casing Annulus Packer (CAP) inflated in 12 1/4 in. drilled hole. A Combo Tool was run on drill pipe and located into the Port Collar (PC). The PC was opened, annulus circulated/conditioned, and a 2nd stage cement job performed. Upon closure of the PC, MTM seals were activated to block the PC cementing ports and inflation valve ports of the CAP.

**RESULTS AND BENEFIT:** By providing the ability to perform stage cementing on the production casing in these wells, the 13 3/8 in. casing string has been eliminated, resulting in a well construction cost reduction in excess of USD 700,000 per well.



*HATCH Packer*