Case Study:
Multi-zone stimulation with SealRight™ Packer

SealRight Packer instantly isolates zones enabling immediate stimulation.

Well Data

Location: Offshore Qatar  
Well Type: Oil Producer - Carbonate  
Installation Date: June 2014  
Depth: 5,495 - 15,940ft  
Liner Size: 6½"  
Temperature: 135°F

The well installation formed part of a field redevelopment project designed to stabilize output and improve recovery. The field has been on production since 1997 with declining production now at half its peak rate of 50,000 barrels per day.

The Challenge

The 10,445ft horizontal open hole section of the well dissected several fractures and 8 separate zones requiring stimulation. An immediate zonal isolation was required to allow for stimulation following installation. The rock formations where the packers were set had limited comprehensive strength. Concerns were raised about micro fractures being created around the packer element system of conventional open hole packers with high setting forces.

Tendeka Solution

Tendeka designed an open hole packer with extremely low compression set forces. The rubber pressure after contacting the formation is less than that required to fracture the formation. Tendeka deployed and set 14 of 6-⅝” SealRight Packers providing isolation of the open hole immediately below the casing shoe, 3 separate natural fractures and 8 separate production zones.

Project Results

All packers sealed successfully and stimulation of the 8 zones was completed immediately following completion operations. The end user ordered further SealRight packers for deployment in subsequent wells.