Provide Annular Isolation and Perform Off-Bottom Cementing Operations

Pump Out SCC and TAMCAP Assembly

Location: Queensland, Australia

**CHALLENGE:** Many coal seam gas wells in Queensland run slotted casing in the production casing string. An off-bottom cement job is required to cement the casing to surface. Annular isolation is required to get good cement to surface and traditional stage tools require a dedicated drill-out trip to move the well to production.

**SOLUTION:** The Pump Out Stage Cementing Collar (SCC) and Inflatable Casing Annulus Packer were placed directly above the slotted casing in the 7-in. production casing. Once on bottom, pressure was applied to inflate the TAMCAP and provide annular isolation for the cement job. The off-bottom cement job was pumped through the Pump Out SCC to surface. Once the cement job was complete, pressure was increased to shear out the internal components, leaving behind a full bore ID.

**RESULTS AND BENEFIT:** The TAMCAP was able to inflate and provide an annular barrier for the off-bottom cement job, preventing any cement from falling into the slotted production casing. After the cement job, the Pump Out SCC shears out, leaving full ID through the system. The well was immediately moved to the production phase, eliminating a dedicated drill-out trip normally required for traditional stage tools.