

Expro Excellence

Expro's 20" Hydro-Mechanical (HM) cast iron Bridge Plug saves client significant rig time on well abandonment

Well Construction | Downhole Service Tools



Objectives and background

- Over a 10-day period and multiple attempts, a Malaysian operator in the SK306 block failed to successfully install a proficient 20" surface cement plug during their well abandonment program
- This challenge cost the operator over 10 days in lost time due to the remediation attempts and over \$3 million in rig time, cementing equipment and product costs

Expro Excellence

- Expro's 20" Hydro-Mechanical cast iron Bridge Plug (HMBP) was mobilized to the rig within 24 hours and provided the operator with the means to establish a mechanical base, ensuring the successful placement of the surface cement plug
- Expro's 20" HM cast iron Bridge Plug used its simple design to minimize gas migration and allow the cement plug to successfully be put in place
- This reliable mechanical barrier saved the operator from the potential of multiple failed cement plugs by preventing gas contamination of the cementing plug during abandonment operations

Value to the client

- Efficient and effective job execution for setting the 20" HMBP and competent surface plug for well abandonment allowed the operator to eliminate the gas migration challenge and secure the well for the next well abandonment operation with over 10 days improvement against the previous operation
- Expro's 20" HMBP saved significant rig time in setting the competent surface plug
- We eliminated the potential for additional plugging operations requiring days of rig time and associated products and logistics for this abandonment operations
- Expro substantially reduced the GHG emissions associated to this operation. This was done through the reduction of cementing products and rig energy for activities such as pumping

Cost saving

