

ADVANCED ROLLER SYSTEMS

As wells become increasingly complex and high deviation makes well intervention more challenging, Peak has responded with the development of an advanced roller system with more reliability and functionality than other products and conveyance options available to the market.

Like other alternatives, Peak's Roller Centraliser has been specifically designed to convey wireline toolstrings into high angle deviated wells with minimal friction. They are positioned along the length of the toolstring to lift the body and weight of the string onto the axles of the rollers incorporated within the modular Roller Centraliser assembly. This eliminates any friction between the toolstring and the tubing wall. The Roller Centraliser has successfully been deployed in wells up to 80 degrees deviation.

However, the unique design of the Roller Centraliser offers several advantages over other products available on the market today, ultimately leading to near-zero friction:

- the Roller Centraliser has interchangeable rollers which allow it to be optimally used in various sized well bores and therefore increase the operating range and functionality
- the Roller Centraliser does not rely on the rotation of the assembly to allow the rollers to come into contact with the tubing wall; the rollers are constantly in contact with the tubing wall, irrespective of position
- the fluted body of the Roller Centraliser ensures that there is sufficient bypass when running through fluid
- it can be used to centralise Running and Pulling Tools when being deployed through large bore tubulars



Moreover, the Roller Centraliser is compatible with Peak's SIM System for Flow Control. It is this combination that has recently led two major IOCs in Asia Pacific to rent Peak's Roller Centraliser. In both projects, Peak's roller system is positioned above and below a SIM Retrievable Bridge Plug in highly deviated wells. The functionality of the Roller Centraliser coupled with the safety of the SIM Plug (which requires no nipple profile, nor any complex setting tools) means that intervention on these wells is extremely effective without damage to equipment or the well.

TELLING TALES IN THAILAND

Two major oil companies operating in Thailand have committed to deploy Peak's Flow Safe Lock Mandrel in their remote Gulf of Thailand wells since it featured in last October's *e-News*. With well integrity being of such importance, operators are always looking at new technologies that will ensure the ongoing safety of their personnel, equipment and the environment. The Flow Safe Lock Mandrel (FSLM) does just that.

To prevent a loss of well control which has the potential to cause significant damage, a Tubing or Wireline Retrieval Safety Valve (TRSV/WRSV) is a safety critical, failsafe component deployed into the well. However a WRSV is only as reliable as the suspension device used to lock it into the nipple profile. The lock mandrel used to suspend the safety valve must have design features that prevent it from prematurely releasing during high flow conditions. And ideally the running tool should provide an indication of a positive 'set' so that the end user knows the lock mandrel is correctly located and fully set. If the WRSV was to flow out from the nipple, the results could potentially be catastrophic.

Peak's FSLM has been designed to retrofit the uppermost 'X' type nipple profile generally used for suspension of the WRSV. To overcome any chance of the FSLM releasing during high flow conditions, the tool has an internal latch finger device that securely locks the FSLM in the fully set position. This latch system is vibration-resistant and prevents any unplanned release of the lock mandrel.

To further improve the WRSV deployment, the FSLM running tool has a Tell-Tale system that gives the user a clear indication at surface that the lock mandrel is fully set and the latch finger system is correctly engaged. These unique features eliminate any doubt as to the integrity of the WRSV.

WELCOME

Peak's healthy order books for short- and long-term projects are a clear indication that well interventions are prevalent and that Peak is providing the products which you, the customer, needs. Indeed, one major IOC recently told us that they are investing more in well interventions around the world this year than in new developments.

All this means that the onus is on getting it right first time, with the best technology available, in order to maximise well performance. I believe that is why Peak Well Systems is so successful. Whilst our flagship SIM System for Flow Control continues to raise the bar for safety, performance and investment returns, all our other products – Advanced Roller Systems, Debris Removal tools, Toolstrings, Fishing tools – have similarly superior designs to ensure that deployment is simple, safe and assured.

Take our Advanced Roller Systems, featured in this issue of *e-News*, which are not only simpler and cheaper than other alternatives available, but also arguably more successful in highly deviated wells. Read for yourselves and if you'd like to see some case studies of the Roller Systems in action, please don't hesitate to contact us.



Mark Nicol, Global Sales Director



GS OILTOOLS SERVES PEAK'S NORWAY CUSTOMERS

Oil and service companies in Norway can now access Peak's complete range of products – both sales and rentals – through Sandnes-based GS Oiltools AS who have been appointed as our Norwegian representatives. GS Oiltools AS is a leading independent specialist in providing well intervention products and offers bespoke solutions for customers throughout Scandinavia. For more information, please visit their website at www.gs-oil.com

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