

Halliburton Expands Conventional Liner Hanger Deployments to the Middle East

FIRST MATCHSET™ SYSTEM IS SUCCESSFULLY INSTALLED IN OMAN

NORTHERN OMAN

CHALLENGES

- » Run liner hanger with short 7-in. production liner to depth
- » Cement liner hole annulus to isolate production zone
- » Hang liner, rotate it through cement job
- » Set and test liner-top packer

SOLUTION

MatchSet™ conventional liner hanger, featuring:

- » Modular running tool design
- » Single-piece hanger/packer mandrel
- » Ability to push, pull, and rotate while running the liner down

RESULTS

- » Successfully completed first installation of MatchSet system in the Middle East
- » Met all customer expectations by setting hanger at desired depth, and by executing the cementing job without incident and testing wellbore pressure to specifications
- » Completed job with zero NPT or quality issues

OVERVIEW

An operator in Oman required a solution for its turnkey project to deliver a cost-effective, yet configurable, liner hanger solution. Halliburton proposed and delivered the MatchSet™ conventional liner hanger system for its running tool modular design, along with traditional conventional liner hanger capabilities.

COST-EFFECTIVE SOLUTION REDUCES WELL CONSTRUCTION COSTS

The operator required a short liner to be run in a deviated well, and then cemented and pressure tested. Such short liners typically pose a risk of not setting or not being able to verify the running tool release due to the lack of liner weight. Trying to successfully hang the liner and verify tool release can result in non-productive time (NPT) events.

To meet these challenges, Halliburton worked in close collaboration with the operator to design and deploy the first 7-in. MatchSet conventional liner hanger system. The liner hanger was set on the first attempt, cemented, and the wellbore pressure tested flawlessly. The MatchSet conventional liner hanger, with an integral liner-top packer, has a unique compact design ideal for deviated or horizontal wells. It provides an effective annular seal between the top of the liner and the parent casing, and allows the liner to reach and set at the desired depth.

FIRST INSTALLATION POSITIONS CONVENTIONAL LINER HANGER IN THE EASTERN HEMISPHERE

The first 7-in. MatchSet conventional liner hanger was successfully installed in Oman's challenging wellbore, providing the necessary hanging strength and isolation. All the primary objectives were met. Halliburton delivered a reliable, safe, and cost-effective solution, and with zero NPT or quality issues.

The success of this first installation in the Eastern Hemisphere enabled Halliburton to strengthen its position in the region's conventional liner hanger market.



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