

# 1,000 Installations and Counting: Expandable Liner Hangers Improve Operational Efficiency in the Middle East

## HALLIBURTON ESTABLISHES SUCCESSFUL RUN HISTORY WITH VERSAFLEX® AND XTREMEGRIP® EXPANDABLE LINER HANGER SYSTEMS DESIGNED TO MEET VARIOUS INSTALLATION CHALLENGES

MIDDLE EAST

### CHALLENGES

- » Market dominated by competitors conventional systems
- » Demanding environment

### SOLUTIONS

- » VersaFlex® and XtremeGrip® expandable liner hangers

### RESULTS

- » More than 1,000 successful liner hanger installations since 2007
- » First 9 5/8 x 13 3/8 and 9 5/8 x 11 3/4-inch XtremeGrip system with mating tieback seal assembly
- » Numerous managed pressure drilling applications
- » Longest lateral drilled within the region
- » Increasing job count, market share and operator confidence

### OVERVIEW

In November 2007, Halliburton ran its first VersaFlex® expandable liner hanger system for a major operator in the Middle East. Additional opportunities followed, and by year-end 2022, the number of VersaFlex and XtremeGrip® expandable liner hanger jobs for that operator exceeded 1,000 installations. Throughout this successful run history, Halliburton provided improved tool designs to meet operator expectations and evolving requirements while maintaining the highest levels of service quality across a broad array of applications.

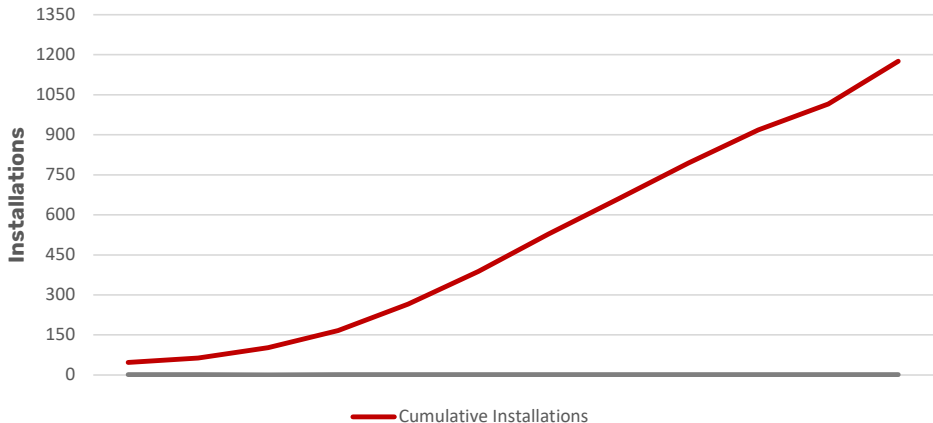


Successfully installed **1,000+** liner hangers since 2007

### CHALLENGES

Previously, the operator utilized conventional liner hanger systems provided by a competitor. Due to familiarity with the competitor’s system, the operator was initially apprehensive when Halliburton proposed expandable liner hanger systems. To gain operator confidence in the product line, Halliburton had to provide a wide range of systems that could meet production and drilling requirements in even the most demanding environments.

Liner Hanger Installations thru 2022



**SOLUTIONS**

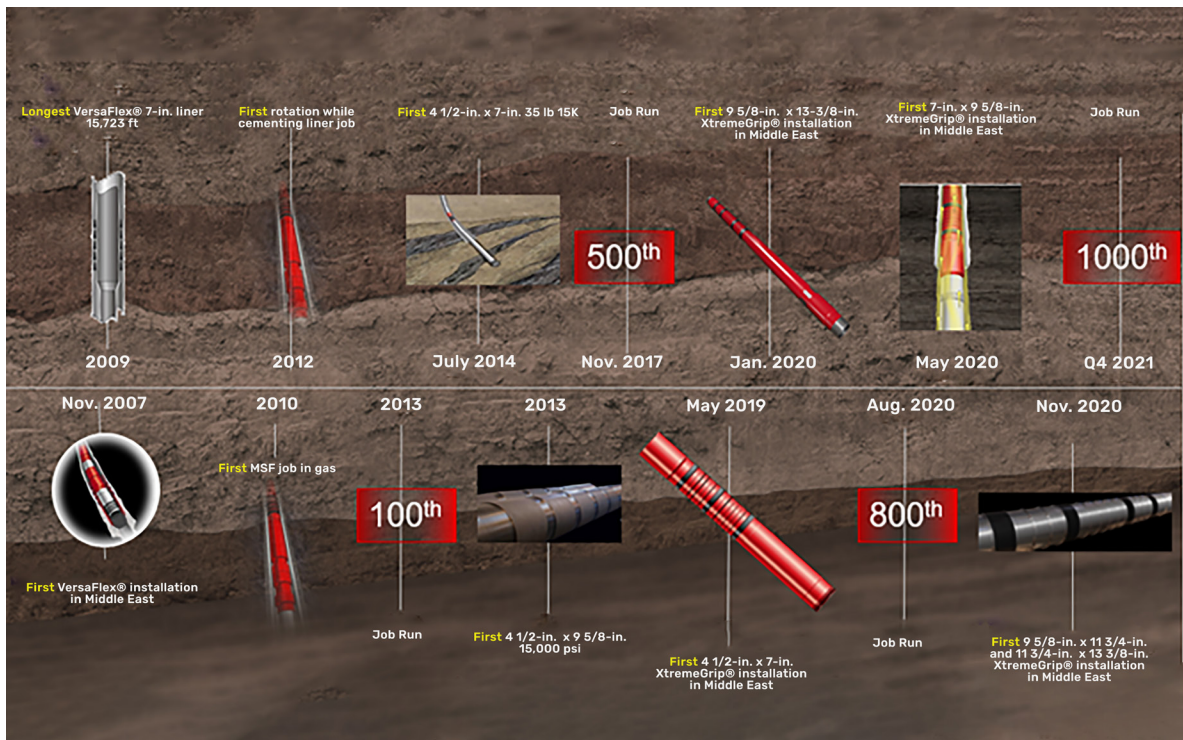
Over the last 15 years, the Halliburton operations, technical, and business development teams worked with the operator and various internal groups to break into a market that had long been dominated by the competition. Expandable liner hanger technology provided a versatile, reliable solution to address various installation challenges and improve operational efficiency. Communication before, during and after each job helped identify opportunities for improvement and increase operator confidence in the technology.

**RESULTS**

During the journey to 1,000 installations, the local Halliburton team completed numerous managed pressure drilling applications and installation of some of the longest laterals drilled in the region. In 2020, the team designed a well installation that included two liner hanger systems and deployed the region's first 9 5/8 x 13 3/8-inch XtremeGrip® liner hanger and 9 5/8 x 11 3/4-inch XtremeGrip liner hanger and tieback system. Both systems reached target depth with zero issues and provided the loss zone isolation necessary to achieve the operator's objectives and enable drilling farther into the production zone.

With onshore and offshore activity in the region expected to increase, growing demand for both expandable and conventional liner hanger systems is also expected. As such, the local Halliburton team deployed the first drop-off systems from the MatchSet® conventional liner hanger portfolio, which replaced the system provided by a competitor, further increasing operator confidence in the Halliburton product line.

Listening to the operator's challenges, collaborating closely and developing innovative solutions delivered with excellent service quality helped increase operational efficiency and maximize asset value.



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