

Middle East

Operator converts observation well into dual-function observation/producer well

Multilateral retrofit installation preserves functionality of existing observation well and adds producing lateral leg

CHALLENGE

- Convert existing observation well into a dual-function observation/producer well
- Maintain integrity and accessibility of mainbore
- Provide through-completion access for future interventions

SOLUTION

- IsoRite® multilateral completion system
- XtremGrip® MLT system

RESULT

- Completed retrofit multilateral installation
- Monitored reservoir and produced from same well slot
- Provided through-tubing access for future interventions
- Reduced need for additional observation wells
- Lowered overall development costs
- Improved reservoir contact
- Maintained long-term monitoring and intervention capabilities



The IsoRite® multilateral intervention system

Overview

To extend the productive life of a mature field in the Middle East, an operator collaborated with Halliburton to convert a 35-year-old observation well into a dual-function observation and production well. The retrofit multilateral solution allowed the operator to maintain reservoir monitoring while adding a producing lateral leg within the same well slot.

This approach used existing infrastructure, minimized disruption, and avoided the need for additional wells. The IsoRite® multilateral intervention system provided through-completion access to both the main bore and lateral, while the XtremGrip® MLT anchor system ensured robust junction integrity. The strategy delivered economic reservoir contact and preserved long-term intervention flexibility.

Challenge

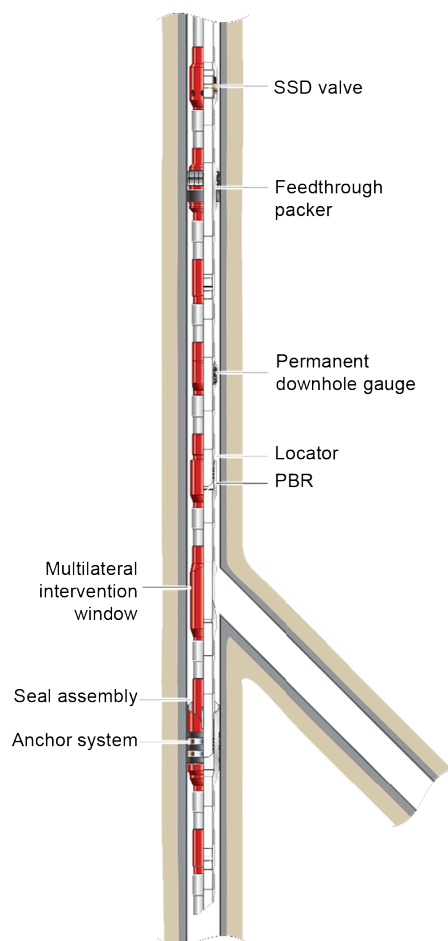
The operator required a solution that would maintain the integrity and functionality of the existing observation well while adding a lateral for production. It was critical to isolate, monitor, and produce from the lateral without compromising the operational role of the main bore. The intervention system needed to support rigless access and allow future interventions through the completion without sacrificing well integrity.

Solution

Halliburton designed a retrofit multilateral well using the IsoRite® multilateral completion system and the XtremeGrip® MLT anchor system. The team converted the observation well into a dual-function well that monitors and produces from the same well slot. The IsoRite® system enabled rigless intervention access to both the main bore and the lateral. The XtremeGrip® MLT anchor system secured the junction and eliminated the need for additional infrastructure. This solution preserved the observation capabilities of the main bore and added production functionality, which optimized field development and reduced operational complexity.

Result

Halliburton completed the retrofit multilateral installation in line with the operator's objectives. The operator monitored reservoir behavior and produced from the same well slot. The IsoRite® system provided through-tubing access for future interventions and preserved operational flexibility. The solution reduced the need for additional observation wells and lowered overall development costs. The operator improved reservoir contact and maintained long-term monitoring and intervention capabilities. This approach supported proactive reservoir management and delivered measurable value across the field.



For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H015008 11/25 © 2025 Halliburton. All Rights Reserved.

halliburton.com

HALLIBURTON