

# 12-Zone Intelligent Completion Installed with ZERO Issues

## RECORD-BREAKING SMARTWELL® COMPLETION DOUBLES NUMBER OF ZONES IN A SINGLE WELL

MIDDLE EAST

### CHALLENGES

- » Long horizontal well – more than 10,000 feet tbc
- » Control compartments for water breakthrough
- » Intervention required

### SOLUTIONS

- » 12 SmartPlex® electro-hydraulic multi-drop HS ICVs to provide control from surface, without intervention
- » Fiber optics through all completions zones
- » DataSphere® Opsis® permanent downhole gauges

### RESULTS

- » Record-breaking 12-zone intelligent completion installed flawlessly, with ZERO recordable incidents and ZERO HSE issues
- » Monitoring devices and fiber optics report well information to surface and the ICVs function as designed



HCT2608

### OVERVIEW

Halliburton set a record with the successful installation of a 12-zone intelligent completion for an operator in the MENA. This installation doubled the number of zones Halliburton has ever completed in a single well.

The 12-zone SmartWell® system completion included 12 SmartPlex® electro-hydraulic interval control valves (ICVs), distributed fiber-optic sensing from hanger to toe and DataSphere® Opsis® downhole pressure and temperature gauges at the heel and toe.

This extended-reach completion had more than 10,000 feet of 6 5/8-inch lateral section (total measured depth 21,555 feet).



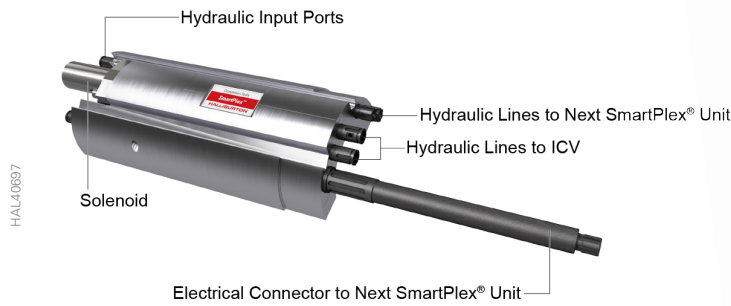
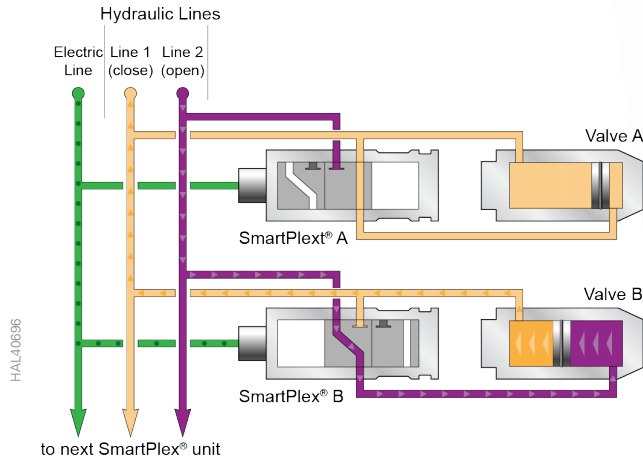
Record-breaking **12-ZONE** intelligent completion installed flawlessly, with **ZERO** recordable incidents and **ZERO** HSE issues

### SOLUTIONS

The potential risk of water breakthrough at the early stages of production necessitated a well completion design to curtail water encroachment. Halliburton recommended a 12-zone intelligent completion that included the SmartPlex downhole control system paired with SmartWell ICVs to provide better response to drawdown and water ingress, maximizing productivity and improving well performance. In addition, the completion design included fiber optics and Opsis gauges to monitor and transmit well information to surface.

**RESULTS**

Halliburton successfully delivered the record-breaking 12-zone intelligent completion as designed, with ZERO incidents and ZERO HSE events. Following installation, the team also verified the ICVs, monitoring and fiber-optic devices continue to function properly.



*Electrically selecting SmartPlex® system B creates the hydraulic circuit to operate Valve B while all the other valves remain balanced*



SmartPlex® downhole control system

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