



Open-Hole Expandable Liner Brings Old Well Back to Life

PROBLEM

The operator was in need of a cost effective solution to bring an old well back into production. A new horizontal hole section was to be drilled through a sloughing formation which required stabilization.

SOLUTION

- Mohawk's premium open hole expandable liner system *MaxWell* was deployed across a 7 in. casing exit and covered 240 ft of unstable formation just outside the casing window
- The *Maxwell* liner was expanded and cemented in place for complete zonal isolation
- With premium expandable connections, the expandable liner can be as long or as short as required

THE RESULTS

- The expandable patch was successfully deployed and cemented isolating a unstable zone which allowed another 1,464 ft of horizontal hole to be drilled.
- The large post expanded liner ID of the *MaxWell* liner allowed the operator to continue drilling a large 5 in. open hole section to accommodate a conventional 4-1/2 in. slotted liner completion to 12,176 ft maximizing production.

PROJECT DETAILS

Location: Onshore – Algeria

Date: April 2009

Well Measured Depth: 12,176 ft

Whipstock: 10,810 ft

Casing: 7 in. 32 lb/ft

Expandable Liner Length: 338 ft

Expanded Liner ID: 5.311 in.

Top of Patch: 10,712 ft

Bottom of Patch: 11,050 ft

Deviation: 90°

