



Weatherford®

REAL RESULTS

QuickCut™ Casing Exit System Allows Expansion of MetalSkin™ Open-Hole Liner Through Exit Window, Reduces Drilling Costs

Objectives

- Achieve maximum reservoir contact and permit an intelligent completion to be run by creating a horizontal wellbore out of existing 7-in. casing with a 5 1/2-in. post-expansion liner drift.
- Successfully install an expandable liner through the casing exit window.

Results

- Weatherford milled a casing exit and deployed the shallow-angle *QuickCut* casing exit system.
- The casing exit and rathole were created in one trip.
- A 1.5° directional assembly was successfully run through the casing-exit window.
- The successful use of the shallow-angle *QuickCut* casing exit system allowed the *MetalSkin* open-hole liner to be installed across the whipstock and expanded at the window, providing ideal conditions for running an intelligent completion. This installation was the first time the *QuickCut* and *MetalSkin* systems had been used together.

Value to Client

- Combining Weatherford's casing-exit and expandable liner systems effectively allowed re-entry into the existing wellbore, saving the operator money by reducing top-down drilling costs while maximizing completion clearance.
- The installation went as planned with no quality, health, safety, or environmental incidents during installation.



Weatherford's shallow-angle *QuickCut* casing exit system was successfully used with the *MetalSkin* open-hole liner, providing ideal conditions for running an intelligent completion. The operator saved money by reducing top-down drilling costs while maximizing completion clearance.

Location

Kingdom of Saudi Arabia

Formation

Arab D

Hole Size

6.125-in. casing exit

Setting Depth

6,111 ft (1,863 m)

Product/Services

- *QuickCut* casing exit system
- Shallow-angle *QuickCut* casing exit system
- Fishing and re-entry services