



Weatherford®

REAL RESULTS

MetalSkin® Openhole Liner System Enables Successful Completion of Saudi Arabian Well with Sustained Gas-Flow Problems

Objectives

- Close off an open hole with sustained gas-flow issues to enable the continuation of drilling.

Results

- After pre-job meetings with the client to mitigate risk, Weatherford installed the 5 1/2-in. × 7-in. *MetalSkin* openhole liner system through a window exit in the existing 7-in. casing.
- The *MetalSkin* liner was then expanded from approximately 6,600 ft (2,012 m) measured depth (MD) to approximately 9,500 ft (2,896 m) MD for a post-expansion length of about 2,900 ft (884 m).
- The remaining wellbore was then drilled and completed without problems.

Value to Client

- Use of Weatherford's *MetalSkin* openhole liner system enabled the well to be successfully drilled and completed while mitigating drilling hazards.
- Reliability was enhanced by the system's premium metal-to-metal seal connections and seamless tubulars.
- The *MetalSkin* liner's reduced running OD facilitated deployment of the system to bottom while maximizing reservoir contact.
- Based on the outcome of this difficult installation, the operator plans to use the *MetalSkin* system in other wells.



Weatherford's *MetalSkin* openhole liner system is a solid expandable drilling liner extension. It can be used in either planned or contingency operations to provide an additional casing string without losing hole size or to reduce top-hole casing sizes.

Location

Kingdom of Saudi Arabia

Mud Type and Weight

110-lb/ft³, 14.7-lb/gal water-based polymer

Fracture Gradient

0.352 psi/ft

Bottomhole Temperature

224°F (107°C) at 6,858 ft (2,090 m)

Inclination

86°

Products/Services

MetalSkin openhole liner system