

MetalSkin® Cased-Hole Liner Prepares Offshore Well for Recompletion, Saves 3 to 4 Days of Rig Time

Objectives

- Isolate a series of perforations in an offshore well in preparation for recompleting the well. The operator sought less costly and less time-consuming solution than a cement squeeze. Additionally, the operator was uncertain whether a cement squeeze would hold the required 3,000-psi (20.7-MPa) pressure.
- Minimize inside diameter (ID) restrictions to enable recompletion of the well as planned.

Our Approach

- Weatherford recommended the MetalSkin cased-hole liner as a reliable casing patch to isolate the perforations, mitigate ID restrictions, and withstand high pressures.
- The team ran 80 ft (24 m) of 5 1/2- x 7-in. MetalSkin liner to the target setting depth of approximately 9,000 ft (2,743 m) without any incidents. They applied hydraulic pressure to the work string to actuate the setting tool and anchor the liner to the host casing. Then they expanded the liner by lifting the expansion cone upward.
- The liner successfully pressure tested to 3,000 psi (20.7 MPa).

Value to Client

- The MetalSkin liner provided an economical and efficient means of isolating perforations permanently while delivering a reliable pressure barrier.
- Isolating perforations using the MetalSkin liner rather than performing a cement squeeze saved the operator 3 to 4 days of rig time.
- The operator was able to begin recompleting the well immediately after the liner installation, without drilling or cleanout trips.



The Weatherford MetalSkin cased-hole liner is a casing patch that seals damaged or perforated casing with minimal ID loss.

CLIENT

PetroZenima

LOCATION

Egypt

WELL TYPE

Offshore, oil

HOLE ANGLE

25°

CASING SIZE AND TYPE

7 in., 29 lb/ft (43.2 kg/m)

LINER-SETTING DEPTH

9,000 ft (2,743 m)

PRODUCTS/SERVICES

5 1/2- x 7-in. MetalSkin cased-hole liner

