Weatherford®

REAL RESULTS

Gulf of Mexico: HydraSkin™ Cased-Hole Liner System Bypasses Weakened Casing, Enables Operator to Reach TD

The *HydraSkin* cased-hole liner system provides a safe and cost-effective solution to sidetrack a well without increasing hole size, which is typical when using traditional liner systems.

Objectives

- Prevent additional drilling wear in the parent 13 3/8-in casing.
- Install a casing liner system, and provide increased casing integrity to withstand well pressure conditions.
- Drill to target depth (TD) of 22,000 ft (6,706 m).

Results

- Weatherford deployed a specially designed casing exit system to mill a window in 13 3/8-in. parent casing between 7,500 and 7,540 ft (2,286 and 2,298 m).
- Two *HydraSkin* solid-expandable, cased-hole liner sections were installed inside the parent casing.
- The upper section of liner was expanded to 2,668 ft (813 m), the lower section was expanded to 1,389 ft (423 m), and the well was drilled to TD.

Value to Client

- Weatherford's *HydraSkin* solid-expandable cased-hole liner system enabled the operator to sidetrack the well safely and efficiently without an increase in hole size, as necessary with a conventional liner system.
- Well integrity was restored without any quality, health, safety, or environmental incidents.

Location
Gulf of Mexico, USA

Well Type
Offshore, oil producer

Well Depth
22,000 ft (6,706 m) TD

Parent Casing Size and Type
13 3/8-in., 68-lb/ft HCN80 VAM® SLIJ-II

Expanded Liner Sections
- Upper section: 2,668 ft (813 m)
- Lower section: 1,389 ft (423 m)

Products/Services
HydraSkin cased-hole liner system

VAM is a registered trademark of Vallourec Mannesmann Oil & Gas France Corporation.

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