

REAL RESULTS

Dailey[®] Hydraulic Drilling Jar with Lock, JarPro Simulation Eliminate Need for Fishing Services, Enable Operator to Reach TD

Objectives

- Determine the best jarring tools for freeing a pipe stuck in the wellbore. The operator encountered a stuck drillstring bottomhole assembly (BHA) while attempting to reach total depth (TD).
- Minimize nonproductive time (NPT). During an 18-day run from 900 to 13,300 ft (274 to 4,053 m), the pipe became stuck twice, each time incurring approximately two hours of NPT.

Results

- Weatherford personnel deployed the *Dailey* hydraulic drilling jar with lock and the *Dailey* jar placement program (JarPro) with a jar placement simulation to optimize the jar and latch placement in the BHA.
- The JarPro simulation presented the ideal position to apply maximum impact to free the stuck BHA.
- The operator freed the stuck BHA and reached TD, eliminating the premature firing of the hydraulic drilling jar with lock and associated NPT while running in and out of the hole.

Value to Client

- Using Weatherford's *Dailey* hydraulic drilling jar with lock and the *Dailey* JarPro simulation enabled the operator to pinpoint the exact position of the stuck BHA and apply the maximum striking impact to free the BHA.
- The Weatherford system combination helped the operator free the BHA and avoid the premature firing of the hydraulic drilling jar with lock while running in and out of the hole, reaching TD, eliminating NPT associated with fishing services, and saving hours of rig time and associated costs.



Weatherford's *Dailey* hydraulic drilling jar with lock and JarPro simulation provided the optimal jar placement and enabled the operator to free the stuck BHA and reach TD, avoiding the typical NPT associated with fishing services.

Location Wheeler, Texas

Formation Sand/shell

Well Type Onshore, oil and gas

Hole Size 8-3/4 in.

Depth 13,300 ft (4,053 m)

Casing 9-7/8 in.

Products/Services

- Dailey hydraulic drilling jar with lock
- Dailey jar placement program (JarPro)

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