Weatherford®

REAL RESULTS

Free-Rotating Eccentric Guide Shoe Lets Operator Run Casing to TD on First Attempt While Optimizing Reaming, Cleaning and Running Time

The self-aligning, PDC-drillable nose of Weatherford's Model 204V free-rotating eccentric guide shoe rotates with low torque to guide the casing in highly deviated hole sections to the path of least resistance.

Objectives

- Run 13 3/8-in. casing through a number of anticipated ledges, doglegs, and formation restrictions, and land it at total depth (TD) at a 69° inclination.
- Minimize the time required to ream and clean the hole before running the casing.
- Cement the casing to ensure good zonal isolation.

Results

- Weatherford's Model 204V free-rotating eccentric guide shoe was used to successfully run the casing through all ledges, doglegs, and restrictions and land it at TD as planned.
- Optimal casing running time was achieved.
- The cement bond log showed excellent cement distribution and indicated successful zonal isolation.

Value to Client

- Use of this technology enabled the operator to run the casing to TD on the first attempt, saving at least 12 hr of running time, and two to three trips for reaming and wiping.

Client
Kuwait Oil Company

Location
Magwa, Kuwait

Formation
Maodoud

Well Type
Horizontal

Depth
4,379 ft (1,335 m)

Deviation
69°

Dogleg Severity
10°/100 ft (30 m)

Casing Size
13-3/8 in., 68 lb/ft

Products/Services
- Cementing services
- Model 204V free-rotating eccentric guide shoe

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