



Weatherford®

REAL RESULTS

Weatherford Performs First HEWD Operation with Multiple Activations using RipTide™ Reamer with RFID to Save Significant Rig Time

Objectives

- Enlarge 12 1/4-in. borehole section in an onshore oil-and-gas well to provide the proper clearance to run casing and perform a quality cementing job.

Results

- A *RipTide* drilling reamer with RFID (radio-frequency identification) technology was deployed into the bottomhole assembly and simultaneously drilled and enlarged the borehole from 12 1/4- to 13 1/2-in., creating more clearance to run the casing string.
- The *RipTide* tool was activated and deactivated multiple times at surface, 300 ft (91 m) downhole and at total depth (TD). All activations were successfully validated by torque or lack of torque, and a pressure drop was realized when the tool was opened.

Value to Client

- Using the *RipTide* RFID enabled the operator to enlarge the wellbore, run the casing string and perform a quality cementing job. The full bore through the tool enabled a wireline survey to be taken at the bit.
- The ability to simultaneously drill the 12 1/4-in. borehole and enlarge it to 13-1/2 in. saved the operator several days of rig time.



The *RipTide* drilling reamer with RFID performed a hole-enlargement-while-drilling (HEWD) operation with multiple opening and closing without ball drop activation/deactivation—a world first and an industry breakthrough in RFID technology for the entire oil and gas industry .

Location

North Dakota, USA

Well Type

Onshore oil and gas

Hole Size

13-1/2 in.

Products/Services

RipTide RFID drilling reamer



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