



Weatherford®

REAL RESULTS

RipTide® RFID Drilling Reamer Enlarges Wellbore, Saves 2 Days of Rig Time Valued at \$220,000

Objectives

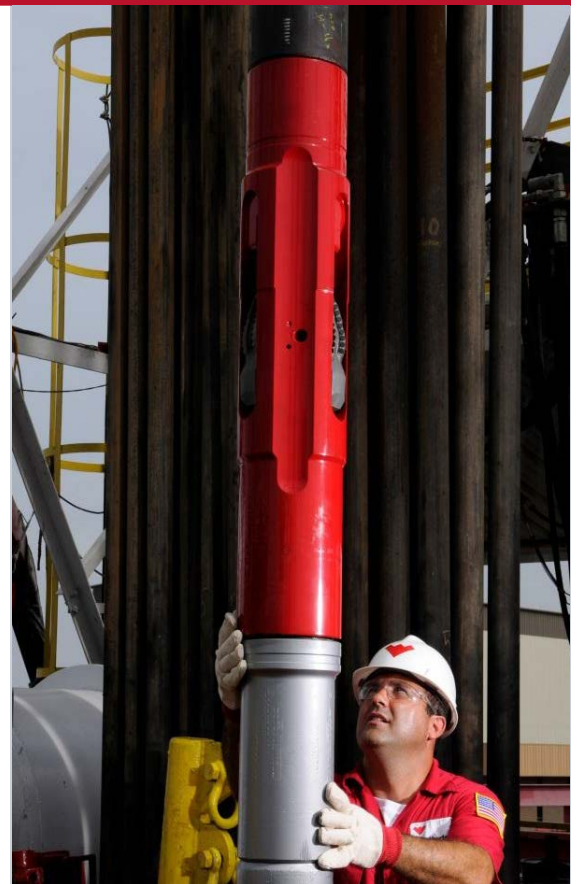
- Drill and ream a 1,949-ft (594-m) section to prepare for running 9 5/8-in. casing to total depth (TD) in a well with a lithology including sand, siltstone, claystone, and limestone.

Results

- Weatherford deployed the model 12000 RipTide radio-frequency identification (RFID) drilling reamer on a rotary-steerable system in the bottomhole assembly (BHA), which also included measurement-, logging-, and pressure-while-drilling technology.
- For the first time in Latin America, Weatherford operated the RipTide driller reamer using RFID technology. Drilling and reaming started at a depth of 6,976 ft (2,126 m). The reamer performed continuously and averaged a 40.5-ft/hr (12.3-m/hr) rate of penetration at an inclination angle between 51.16° and 81.94°.
- The RFID reamer enlarged the hole section from 12-1/4 to 13-1/2 in. and reached a TD of 8,925 ft (2,720 m) in two trips. The reamer did not require changing or reconditioning to complete the operation.
- RFID technology provided multiple activations for various tasks: performing surface testing, initiating hole enlargement, continuously drilling and enlarging until reaching TD, and enlarging the pilot hole. The operator ran the 9 5/8-in. casing to TD.

Value to Client

- The RipTide RFID drilling reamer enabled the operator to drill and ream the hole section to TD. Reaming prepared the well for casing running without a reconditioning trip, which saved 2 days of rig time valued at approximately US \$220,000. RFID technology provided multiple on-demand activations of the reamer when needed.



The innovative polycrystalline-diamond cutting structure and radio-frequency identification technology of the RipTide RFID drilling reamer maximize reaming efficiency and save rig time.

Client
Petroamazonas EP

Location
Ecuador

Well Type
Onshore, heavy oil

Formation
Sand, siltstone, claystone, and limestone

Total Depth
8,925 ft (2,720 m)

Products/Services

- Performance drilling tools
- RipTide RFID 12000 drilling reamer

Petroamazonas
Ing. Alejandro Bastidas
PAM Production Manager
Petroamazonas
alejandro_bastidas@petroamazonas.ec

Weatherford
Ulises Suarez Alvarez
Senior Sales and Service Specialist
Performance Drilling Tools
ulises.suarez@la.weatherford.com

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford.com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and service marks herein are the property of Weatherford and may be registered in the United States and/or other countries. Weatherford products named herein may be protected by one or more U.S. and/or foreign patents. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.