

REAL RESULT | INDONESIA

Indonesia Operator Reaches Target Depth After Enlarging 1,791 Ft in One Run

An integrated bottomhole assembly enlarged the wellbore, cleared the rathole, and maintained circulation capability to support casing deployment.

GLOBAL ENERGY OPERATOR

OFFSHORE

DRILLSHIP

OVERVIEW

An operator needed to enlarge two hole sections, clear the rathole, manage losses, and run casing to target depth. An integrated bottomhole assembly (BHA) combined tandem enlargement, near-bit rathole cleanup, and non-ball-drop circulation capability in the same run. The operation enabled the casing to reach target depth and established the country's first tandem RFID reamer runs.

⌚ EFFICIENCY**1,791** FT**Hole enlarged with top reamer**

14.75 × 17.5-in section.

⌚ EFFICIENCY**1,407** FT**Hole enlarged with top reamer**

12.25 × 13.5-in section.

✅ RELIABILITY**217** FT**Rathole interval enlarged**

12.25 × 13.5-in section.

THE CHALLENGE

The operator needed sufficient wellbore clearance to run casing to target depth while retaining the ability to address losses in the same run. A conventional sequence would not combine hole enlargement, near-bit rathole cleanup, and non-ball-drop circulation capability in one bottomhole assembly.

THE SOLUTION

The operator deployed an integrated BHA configured for tandem hole enlargement, near-bit rathole cleanup, and circulation. Two assembly sizes were run for the planned sections, while smaller contingency configurations were prepared for slimhole intervals. The underreamers were activated by RFID tags and pressure cycling.

PRODUCTS AND SERVICES

RipTide® drilling underreamer

JetStream® RFID circulation sub

THE OUTCOME

Casing reached target depth in the applicable sections. Both deployed reamers passed surface testing, activation succeeded through RFID tags and pressure cycling, and contingency equipment was available for the slimhole section.

TECHNICAL DETAILS	
Well profile	Vertical
Well type	Exploration