

Baker Hughes successfully deploys PDC-drillable casing shoe in first Sub-Saharan run

CHALLENGES

- Offshore Angola appraisal well
- Jack-up rig with casing drive system and casing rotation
- 9 5/8-in. L80, 47-lb casing with Tenaris Blue dopeless connections
- 1,932 ft (589 m) openhole interval with a 12 1/4-in. diameter
- Set 9 5/8-in. intermediate casing at depth

SOLUTION

- 12-in. [EZReam™](#) system fitted with single float valve
- Successfully guided casing string to setting depth of 3,481 ft (1,061 m)
- Drilled out shoe with 8 1/2-in., seven-bladed PDC bit on rotary steerable system

RESULTS

- Drillable steel body facilitated trouble-free performance
- Dynamically stable 360° tungsten-carbide hardfacing centralized and improved reaming efficiency
- Concave profile allowed quick, fail-safe drill-out, with no debris or damage to bit or BHA components
- Enabled casing to be run to bottom without lost time
- Reamed even with reciprocation only