TECH REPORT

REPUBLIC OF ANGOLA

OFFSHORE FIELD

Lithology	Carbonate cemented with sand
Well depth	12,400-ft MD [3,778-m MD]; 12,280-ft TVD [3,743-m TVD]
Pressure	5,036 psi [34.7 MPa]
Temperature	300 degF [149 degC]
Completion size	3½-in cemented monobore
Water depth	223 ft [68 m]
CT size	1¾ in [2.54 cm]

Background

An operator had traditionally run wireline perforating to achieve the depth accuracy required for their fracturing operations. Because CT is used to clean out the oil and gas producer after fracturing, a significant amount of time was needed to rig down and rig up surface control equipment, which resulted in additional costs and HSE risk. The ABRASIJET* hydraulic pipe-cutting and perforating service was used on a small offshore platform to perform the perforations and limit the requirement of swapping services and equipment.

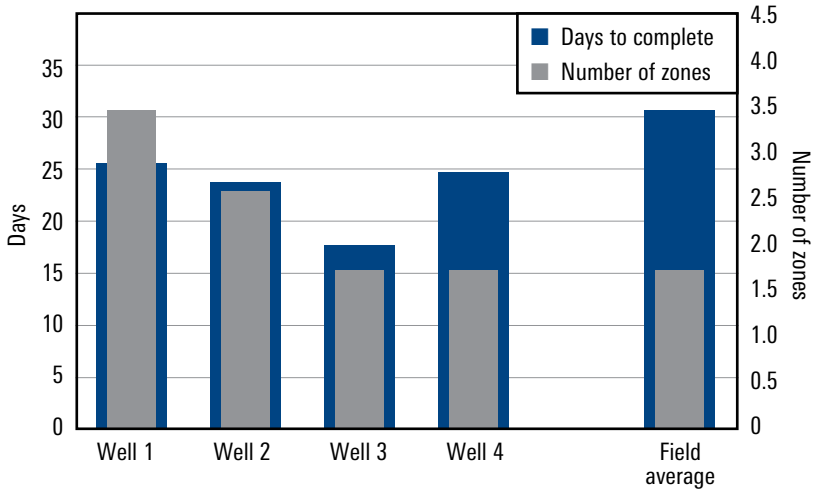
Technologies

- ABRASIJET service
- ACTive* family of live downhole coiled tubing services

Schlumberger

ABRASIJET and ACTive Services Save Operator USD 1.4 Million and Reduce Risk

Increased operational efficiency by up to 25% and reduced time by 31.6%



The ABRASIJET service was completed in only 26 days compared with the conventional method which would have taken 38 days. Combining ACTive and ABRASIJET services have increased operational efficiency by up to 25% and reduce time by 31.6%.

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