

Press Release

For Immediate Release: November 1, 2015
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Journal of Petroleum Technology: Article on Zentech R-550D

The Journal of Petroleum Technology (JPT) has published a piece on Zentech's industry changing jackup rig design, the R-550D, in the November 2015 issue. (Please find attached the PDF of the JPT article, and use that not the picture attached below)

TECHNOLOGY APPLICATIONS

JPT

Chris Carpenter, JPT Technology Editor

Jackup Drilling Rig

Zentech's new R-550D Jackup drilling rig design is a high-capacity, extended-reach cantilever rig, rated for 3,500 kips combined drilling load with extended reach to 80 ft aft of the transom. The R-550D features an operational variable deck load of 11,000 kips (Fig. 1). The Zentech designed and patented Zenlock System provides enhanced rig safety and ease of operation. This unique leg-to-hull fixation system is already under construction for R-550D rigs being built for Alliance Offshore Drilling. The R-550D features 4,220-bbl active/reserve mud pits configured for dual-fluid operations, along with three mud pumps, each 2,220 hp or equivalent. Living quarters can accommodate more than 150. Utilities and drains are configured for zero discharge. The R-550 is designed for closed-loop or air cooling of all equipment. The rig features a high-speed preload system for minimized mobilization time, as well as enhanced jacking capacity with 54 pinions allowing jacking with full preload (70,000 kips) in addition to normal jacking of 54,000 kips. The R-550D has been designed to virtually eliminate



Fig. 1—Zentech's R-550D jackup drilling rig.

rack phase differential (RPD) problems with an allowable spud-can deflection of more than 14 ft and RPD values in the range of 9 to 10 in. with nominal

fixity. The rig handles drilling depth of 35,000 ft (9144 m). JPT
► For additional information, visit www.zentech-usa.com.

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