

Dual Pool® 626 shale shakers delivered a step change in drilling performance for an offshore rig in South East Asia

- ROP improved by 41% over 19,000 meters drilled
- Drilling time reduced by 186 hours
- Resulted in net cost savings of \$837,500

“The Derrick Dual Pool 626 shale shakers were a critical component of the suite of solids control upgrades that delivered a step change in drilling performance for the second phase drilling campaign. The shale shaker upgrade assisted in meeting and exceeding ROP targets which in turn saved time and delivered a significant cost savings.”

–Drilling Superintendent

Situation

The SE Asia operator was preparing for the second phase of a one rig drilling campaign in the Gulf of Thailand where 12 wells of 2,700 m would be drilled. Their focus was to improve the performance of the rig by increasing the drilling ROP. The shale shaker capacity was identified as the bottleneck for the required higher flow rates. Enhanced solids control equipment performance was required to achieve performance targets.

Solution

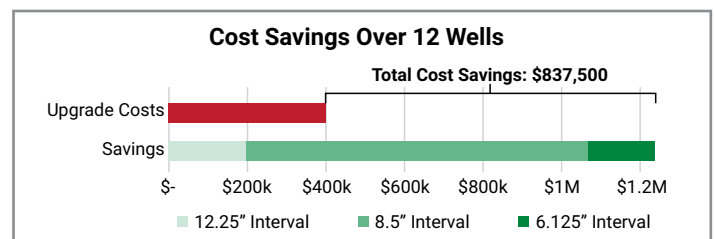
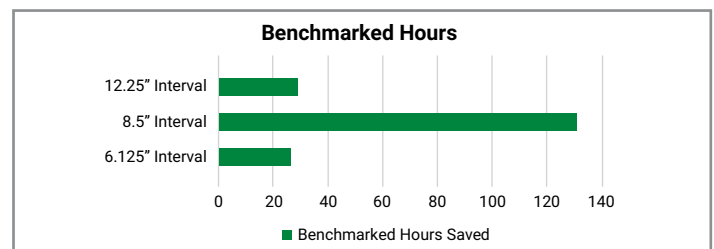
The operator chose the Derrick® Dual Pool® 626 shakers and Flo-Divider™ to replace the existing NOV BRANDT™ shakers. The shakers were installed during an in-field rig move by Derrick Solutions International service team. The Dual Pool shakers handled the high flow rates while providing improved solids removal utilizing finer screens in all 3 sections. Due to the higher capacity, the Dual Pools shakers were able to reduce mud losses. The operator compared actual ROP results to offset wells drilled with NOV BRANDT™ shakers.

Results

1. Average ROPs (m/hr)

Interval	Phase I (NOV BRANDT™)	Phase II (Derrick)	ROP % Improvements
12.25"	37	44.1	19%
8.5"	31	50.4	63%
6.125"	22	31.2	42%

2. Benchmarked hours and cost savings



For more information, please contact your local Derrick sales representative.

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