

# MONGOOSE PRO Dynamic Dual-Motion Shaker Reduces Screen Consumption and Cost by 70%

Longer screen life coupled with improved mud recovery efficiency provides operator with significant savings, Pakistan

**Achieved longer screen life, improved mud recovery efficiency, and reduced cost by using the MONGOOSE PRO\* dynamic dual-motion shaker in place of a conventional shaker. The MONGOOSE PRO shaker was used while drilling the second phase of a sidetrack section onshore in Pakistan. When a side-by-side screen replacement comparison was done between a conventional shaker screen and the MONGOOSE PRO shaker screen, the operator determined the MONGOOSE PRO shaker screens lasted longer and reduced operating cost.**

## Improve mud recovery efficiency

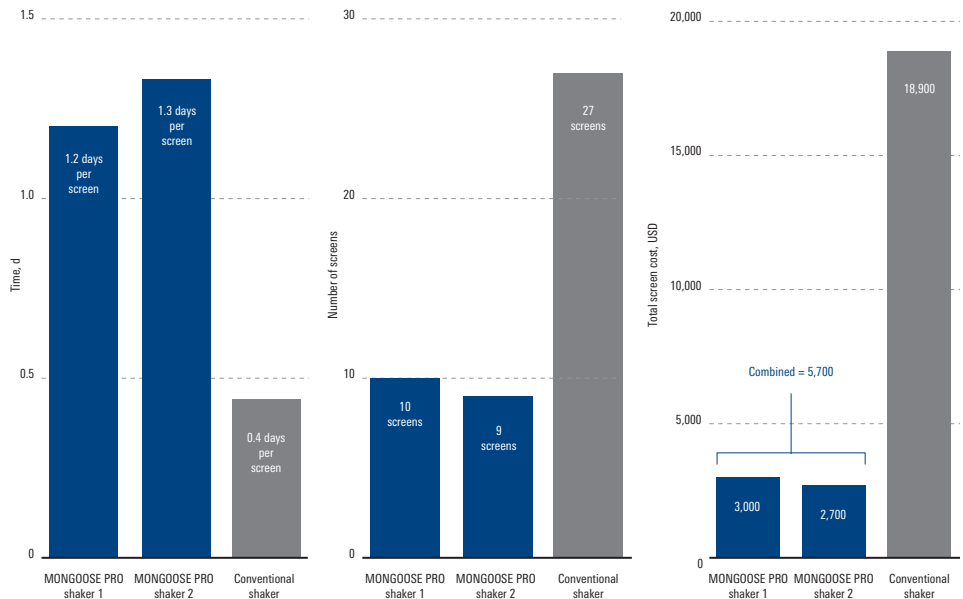
Operating onshore Pakistan, an operator was drilling an 8½-in sidetrack section measuring 7,195 ft [2,193 m] in length with ULTRADRIL\* high-performance water-based drilling fluid system with 7% potassium chloride. During the operation, the operator was replacing a high number of screens on three shakers installed at the rig. After 15 days of drilling, 130 screens had been replaced. The operator sought to control screen consumption and costs as well as improve mud recovery efficiency when drilling the second phase of the sidetrack section.

## Compare MONGOOSE PRO shakers with conventional shakers in side-by-side test

M-I SWACO rigged up two MONGOOSE PRO dual-motion shakers to perform a side-by-side performance comparison with one conventional shaker on the rig. Both types of shakers were dressed with API-200 original equipment manufacturer screens. As with the first drilling phase, the ULTRADRIL drilling fluid system with 7% potassium chloride was used during drilling. Screen damage, operational hours, changeout date, flowline temperature, and other data were carefully monitored by M-I SWACO and the operator.

## Achieved longer screen life for time and cost savings

While drilling the second phase of the sidetrack section, 27 screens were changed on the conventional shaker, but an average of only 9.5 screens was changed per MONGOOSE PRO shaker, demonstrating a 65% decrease in screen replacement on a per-shaker basis. The total cost savings in terms of screens was USD 13,200, a 70% reduction compared with the conventional shaker and screen combination. Using the MONGOOSE PRO shakers, the operator completed the second phase of the sidetrack in 12 days. Because of the demonstrated performance, the operator decided to remove the conventional shaker before drilling the final 6-in [15.2-cm] section of the well and used the two MONGOOSE PRO shakers while drilling this section. During drilling, the two MONGOOSE PRO shakers each used only one screen. In comparison, the average conventional screen consumption on previous wells for similar 6-in sections was a minimum of 25 screens per section.



*Compared with the conventional shaker, the MONGOOSE PRO shakers enabled longer screen life and used fewer screens over the operation, achieving greater mud recovery efficiency at significantly less cost.*