



BaraMesh® Shaker Screens Deliver Superior Performance Over Competitor's Screens

CATCHER FIELD, UK NORTH SEA

CHALLENGES

The operator wanted to use fewer shaker screens and to lower costs without sacrificing efficiency.

SOLUTION

The unique and robust design of the BaraMesh® API 140 shaker screens extends screen life and delivers better solids-removal efficiency.

RESULTS

The direct-comparison field trial proved that BaraMesh screens outlast the competitor's while delivering superior performance:

- » During the trial period, the operator only had to use six BaraMesh screens vs. 16 of the competitor's screens.
- » Compared to the competitor's screens, BaraMesh screens had 3.4 percent higher solids-removal efficiency.
- » BaraMesh screens also helped the operator achieve a 30 percent reduction in oil on cuttings (OOC).

OVERVIEW

A North Sea operator wanted to reduce shaker screen costs by using longer-lasting and more-efficient screens. The BaraMesh® API 140 screens were run in a field trial in direct comparison to a competitor's screens. The trial was conducted using two VSM 300 shakers: one with six BaraMesh screens and the other with the competitor's equivalent API screens.



BETTER EFFICIENCY WITH BARAMESH SCREENS: LOWER SOLIDS AND OOC

The direct comparison confirmed that the BaraMesh screens delivered an average of 3.4 percent greater solids-removal efficiency over the competitor's screens. Improved removal of drilled solids can enhance penetration rates and overall drilling fluid performance. A 30 percent reduction of oil on cuttings (OOC) was also recorded, which helps reduce waste volumes and lower mud treatment costs.

BARAMESH SCREENS REDUCE OPERATOR'S SCREEN COSTS BY 70 PERCENT

While 16 competitor screens were used during the trial period, only six BaraMesh screens were needed to meet or exceed the customer's performance expectations. This reduced costs by 70%, for savings of US\$8,300.

Less need for manual handling of screens helped minimize shaker down time and free rig crews for other tasks. Using fewer screens also helped decrease the total waste disposal costs for the operation.

- » Reduced dilution – \$2,000 per well
- » Reduced waste transportation volumes – one less waste truck per round trip
- » Reduced waste treatment volumes – \$1,000 per well, based on recovered oil

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