



Solids Control - Shaker Screens

Switch to BaraMesh™ High-Performance Shaker Screens Saves Operator USD 23,000 per Well

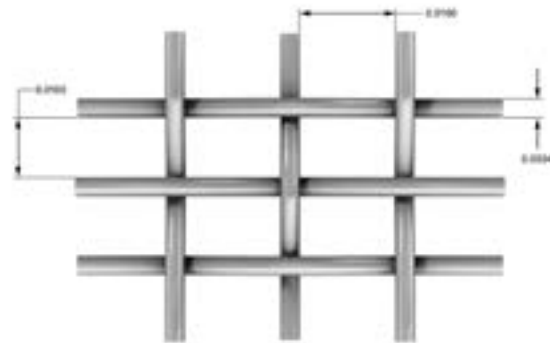
Location: Permian Basin, Texas

Customer's Challenge

An operator in the Permian Basin was seeking better performance in shaker screens. The average screen life they were getting was about 36 hr, which meant screen replacement costs were high and solids control efficiency could be at risk.

Halliburton's Solution

By comparison, when the high-performance BaraMesh™ shaker screens were installed at the beginning of the well, the operator replaced only three screens over duration of 230 hr and the top screen cloth had minimal wear on the three that were replaced. The BaraMesh shaker screen's unique rectangular mesh aspect ratio provides thicker wire diameter and higher conductivity than standard 1:1 square mesh ratios. Correspondingly increasing screen longevity and enhanced flow capacity without compromising separation ability.



BaraMesh with an approximate 1.6:1 aspect ratio and 0.0034 in. wire diameter

The unique rectangular BaraMesh shaker screen design offers an approximate 1.6:1 aspect ratio. As a consequence this improves fluid conductivity and screen life when compared to the equivalent 1:1 square.

Economic Value Created

Installing BaraMesh shaker screens saved the operator over USD 9,000 per well in screen replacement costs alone. All but three screens were in reusable condition to be run in the next well.

The unique rectangular mesh helped reduce rig shaker overflow and fluid haul off by over 100 bbl. This translates to an approximate saving of USD 14,200 in fluid recovery and disposal costs. Fluid retention on cuttings averaged 12.4%. The BaraMesh shaker screens provided a superior performance at a lower cost than the previous vendor's screens (NOV). As a result NOV screens were released mid trial due to the higher performance of the BaraMesh shaker screens. The Brandt King Cobra Venom shakers required less supervision and screen changes due to the increased efficiency of the BaraMesh shaker screens. This in turn reduces HSE exposure when changing shaker screens and also frees up personnel for other important rig duties.

CHALLENGE	SOLUTION	RESULT
Extend shaker screen life to lower costs and improve solids control efficiency.	Install BaraMesh™ shaker screens.	BaraMesh™ shaker screens last 6 times longer, save operator USD 9,000 per well.