UNCONVENTIONALS

CASE STUDY

Operator Gains Twice the Screen Life for Half the Cost, Using BaraMesh® Shaker Screens

OPERATOR SIGNIFICANTLY CUTS COSTS PER WELL BY REPLACING OEM SCREENS WITH HIGH-PERFORMANCE OPTION

PERMIAN BASIN

CHALLENGES

- Reduce screen usage
- Achieve target cutpoint
- Minimize safety risks

SOLUTION

BaraMesh® shaker screens with rectangular 1.6:1 wire aspect ratio, providing:

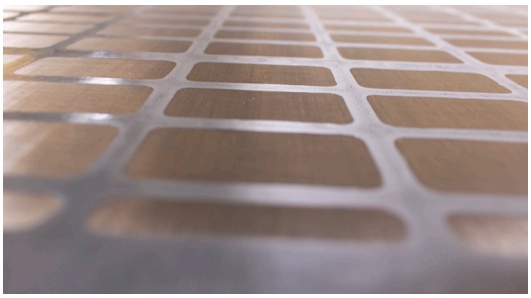
- Improved fluid conductivity
- Thicker wire for increased longevity

RESULTS

- Saved operator over 50 percent on screen costs per well
- Required fewer screen changes, thus minimizing risk exposure for rig crews

OVERVIEW

A competitor's shaker screens were wearing out quickly on a fast-paced Permian drilling campaign, and the operator needed an alternative. Screen performance and longevity were the major issues, and the need for frequent replacements created unnecessary downtime, safety risks, and escalated project costs.



The BaraMesh® screen 1.6:1 ratio helps ensure optimum flow capacity without sacrificing cutpoint.

HAL124800

CHALLENGES

Prior to making the change, the operator spent USD 10,045 on original equipment manufacturer (OEM) shale shaker screens while drilling the previous well. The Baroid team was given the opportunity to demonstrate that BaraMesh® shaker screens would reduce screen usage and lower costs.

SOLUTION

The BaraMesh screens were installed on the next well. These high-performance screens are available for most standard shaker options and can be custom designed for non-standard shakers as needed. All BaraMesh screens are fully compliant with API RP 13C specifications.

The engineered, proprietary rectangular mesh with its three-layer design was recommended to help maximize efficiency. The 1.6:1 wire aspect ratio enhances fluid conductivity and minimizes blinding, while maintaining the target cutpoint at the specified flow rate. The 1.6:1 aspect ratio creates space for a thicker wire diameter. This feature, along with the stainless-steel backing plate and frame, can provide up to 25 percent longer screen life than conventional OEM options.

RESULTS

The BaraMesh screens lasted twice as long as the previous screens, which ultimately cut the operator's screen costs by approximately 50 percent. Additionally, fewer screen changeouts minimized risk exposure for personnel. The total cost for the BaraMesh screens per well was USD 4,940, less than half the cost of the competitor's screens.

www.halliburton.com

HALLIBURTON | Baroid