BaraMesh™ Shaker Screens Outperform Competition in Side-by-Side Trial, Cut Screen Costs by 30% per Well

Location: Mississippi Lime Field, Oklahoma

Operator's Challenge
The operator wanted to optimize the performance of the primary solids control equipment and challenged Baroid to extend shaker screen life without losing solids control efficiency. The area market had been dominated by another vendor, making it difficult for the customer to get accurate cost and screen life comparisons.

Halliburton's Solution
During the initial comparison, BaraMesh™ high-performance API 200 shaker screens were run side by side with Continental Wire Cloth API 200 screens on a Vortex shaker while drilling the 12¼-in. interval. The average flow rate was 753 gpm, and the average rate of penetration was 48 fph.

Screens were inspected at 24-hr intervals. After 72 hr, the Continental screens were changed because of screen cloth failure. The customer awarded Baroid three rigs for further side-by-side evaluations, and the BaraMesh screens continued to outperform the competition. Based on these results, Baroid was awarded 12 rigs.

Economic Value Created
Achieving longer screen life enabled the operator to cut screen costs by 30%, for a savings of $900 per well and a projected savings of $1800 per month at the normal drilling program of two wells per rig per month.

The BaraMesh screens outperformed the competitor screens in a live drilling comparison by providing greater flow processing capacity and providing increased useful screen life.

From a safety perspective, fewer screen changes means less exposure for rig hands and fewer chances for injury. Fewer screen changes also frees up time for the rig crew to spend on other tasks.

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<th>SOLUTION</th>
<th>RESULT</th>
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<td>Optimize shaker performance with better screens.</td>
<td>Conduct side-by-side comparison between BaraMesh™ high-performance screens and competitor screens.</td>
<td>BaraMesh™ screens reduced operator's screen costs by 30% per well.</td>
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