

BRANDT™ Products Shakers and Screens Provide Substantial Performance Increase and Operation Cost Decrease

Challenges

- Inadequate solids control efficiency from the shale shakers and their proprietary screens
- Increased usage and amount of screens required to drill the wells
- Increased operation cost related to the screen usage and decreased solids control efficiency

Well Information

- Location: Land
- Client: Independent Contractor

Solution & Results

- We proposed the conversion of the clients shale shaker system to BRANDT KING COBRA™ VENOM™ Shakers from competitor Derrick* HyperPool* shakers.
- We proposed the usage of our premium PXL screen for improved screen life and improved separation performance as well as the ability to perform simple screen repairs to extend screen life.



Derrick HyperPool* shaker being removed.*



KING COBRA VENOM Shaker re-installed.

On a recent drilling project a client of ours operating in the Northeast US, was suffering from substantially high screen usage, high screen cost and poor solids control efficiency with their drilling mud system. This particular rig was outfitted with the new Derrick* HyperPool* shakers. In a short period of time it became evident that the Derrick* HyperPool* shakers failed in meeting the criteria that the client set fourth for their drilling projects. Our clients found themselves changing the Derrick* Pyramid* screens constantly and dealing with the result of ineffective solids control equipment. Although these Derrick* HyperPool* shakers and Derrick* Pyramid* screens shakers claimed to offer the latest and greatest in improved shaker and screen performance, the only gain the client achieved was an increase in their cost and usage of Derrick* Pyramid* screens.

Understanding the frustration our client was going through, we worked with them to have these ineffective shakers replaced with our KING COBRA VENOM shaker outfitted with our PXL (premium extended life) screen. Immediately our client witnessed improved performance in their solids control, and a considerable decrease in their overall screen cost and screen usage. In also decreasing the amounts of screens used the client did not have to dedicate any additional resources to changing out screens unlike the previous competitors shaker.

The impact was significant, when comparing how we performed against the Derrick* HyperPool* and Derrick* Pyramid* screens, our client saw their screen usage decrease from 5-7 screens per 1000 ft drilled to 1 PXL screen per 1000 ft drilled. To put this into perspective the client estimated they were easily decreasing their cost by 60% on a per well basis. This was a direct result in the improved performance of the KING COBRA VENOM shaker and the PXL screen being used together. As well as the improvement in screen life the shakers performance improved the solids control separation at the shakers which improved the overall efficiency of the solids control system, which provides significant value in the overall mud system.

Due to the success and the significant improvement of our shaker compared to the competitor shaker the client is currently considering a similar conversion of their existing shakers to the KING COBRA VENOM in order to gain the same cost savings and performance improvement.

Contact a FluidControl representative to learn more about BRANDT Products screens and other high-performance solids control solutions.

**Derrick, HyperPool and Pyramid are registered trademarks of the Derrick Equipment Company.*

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