

Derrick® Hyperpool® saves major E&P operator over \$128,000 USD per well in Pakistan

- Derrick's high performance shakers saved the operator over 40% in overall operational cost
- Over \$128,000 saved over the course of 105 days

Background

A major Pakistani exploration and production operator replaced existing Brandt® King Cobra™ shakers with Hyperpools on a rig drilling in the Tal Block located in the Kohat District. The primary objective for the change, in the troublesome 17-1/2" hole section, was to reduce overall operating cost due to heavy surface losses and high oil based mud (OBM) volumes.

Solution

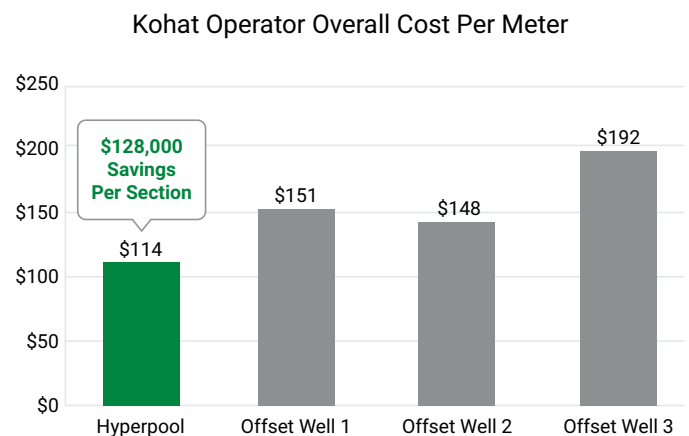
Equipped with Pyramid® screens, the three Hyperpools installed on the rig were able to screen 2-3 API screen sizes finer, up to API 170, without experiencing any whole mud loss to the discard stream. In addition to the high performance shakers, continuous evaluation and monitoring was performed by a Derrick Solutions International optimization engineer.

Upon completion of the project, it was discovered that the shakers performed at a 75-80% removal efficiency range. This new range saved the operator over 43% in unnecessary OBM additional cost per meter drilled when compared to three offset wells utilizing Brandt King Cobra and MI SWACO* MONGOOSE* shakers in the same area.

Conclusion

The Derrick® Hyperpool® shaker technology was successful in reducing the operator's overall operating cost for the 17-1/2" interval by more than 40%. This included the additional screen cost as well as the expense of a full time Derrick Solutions International optimization engineer. The overall cost reduction was directly attributed to the increase in solids removal efficiency by Derrick's industry leading screen compression technology, combined with increased API RP 13C non-blanked screening area and conductance.

Kohat Operator Savings



For more information, please contact your local Derrick sales representative.

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