

Derrick® Hyperpool® reduces fluids costs by 38%

- Derrick® maintained low gravity solids (LGS) below 5% throughout duration of the drilling project
- Derrick’s leading-edge Hyperpool® shaker allowed operator to screen 3 API sizes finer
- Over \$64,000 USD saved

Objective

Maintain low gravity solids below 5% and minimize shaker losses.

Test Parameters

Due to the failure of previous equipment to meet targeted drilling depths, a major international exploration and production operator in Southern Pakistan switched from competitive equipment to the Derrick Hyperpool.

Derrick Solutions International, the exclusive provider of Derrick solids control products in the Middle East, installed three Hyperpools at the rig. Drilling efficiencies were measured by low gravity solids and API screen size used.

Conclusion

The Derrick Hyperpool proved to be the clear leader in all aspects of drilling efficiencies measured.

During the first drilling attempt with competitor solids control shakers, high LGS content and unacceptable shaker overflow was observed. When drilling with Derrick’s Hyperpool shakers, the operator maintained LGS below 5% and prevented whole mud losses at the shaker.

The unique concave screen bed coupled with the increased non-blanked screen area provided by Derrick’s Pyramid® technology prevented whole mud losses and allowed the operator to screen up to 3 times finer. The positive screen-to-deck seal provided by Derrick’s exclusive screen compression technology prevented solids from bypassing.

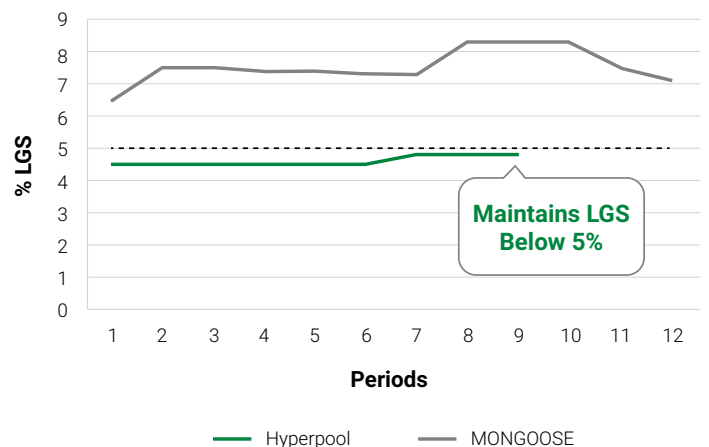
Increased non-blanked screen area, finer screening, and fluid bypass prevention allowed the operator to save 38%

in fluids costs, reduce whole mud losses, and maintain the targeted low gravity solids concentration to drill the section effectively and under budget. Total cost savings provided by Derrick for the 10 day drilling project was over \$64,000 USD.

API Screen Sizes Used

	M-I SWACO* MONGOOSE*	Derrick Hyperpool
26" Interval	API 50-70	API 100
17-1/2" Interval	API 80-100	API 120-140
12-1/4" Interval	API 100-120	API 140-170
8-1/2" Interval	API 120-140	API 170-200
6" Interval	API 140	API 200

Low Gravity Solids (LGS)



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

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