

# Hyperpool® GT Saves Major Operator Over \$65K per Well

Delivering Higher Capacity & Lower Drilling Costs in the New Mexico Delaware Basin

**72% Reduction**  
in Dilution Ratio Compared to  
the Competitor's Latest Shaker

**\$65k - \$88k**  
in Savings Per Well

**17% Decrease**  
in Dilution Ratio Over  
the Original Hyperpool®

## OVERVIEW

A major operator developing extended-length lateral production sections in the Delaware Basin sought to improve rig efficiency and reduce drilling costs. To achieve this, the operator compared the competitor's latest shaker to Derrick's Hyperpool® and Hyperpool® GT across multiple wells and pads. The competitor failed to meet its performance claims, while the Hyperpool GT consistently delivered higher capacity, efficiency, and dryer cuttings. Based on these results, the operator adopted the Hyperpool GT as the preferred solution for extended-reach lateral drilling.

## THE CHALLENGE

The operator executed a comprehensive evaluation across multiple rigs, wells, and pads in the Wolfcamp and Bone Spring formations. They applied key performance indicators, dilution ratio and average dilution savings, to measure equipment performance. The operator defined dilution ratio as Solids Control Equipment (SCE) losses divided by barrels of rock drilled. The operator's objective was to maintain the volume of drilling fluid required to replace SCE loss volumes as close to a one-to-one basis as possible.

For the trial, the operator deployed two rigs that were drilling in the same formations and areas. Each rig operated with competing equipment under directly comparable drilling conditions:

- **ROP:** 200–400 ft/hr
- **Circulating Rate:** 275–450 gpm
- **Mud Weight:** 10–12 ppg
- **Mud Type:** OBM
- **Bit Diameter:** 6.75 in.
- **Interval Lengths:** 12,000–14,000 ft

Through this evaluation, the operator determined which provider, Derrick® or the competitor, delivered the expertise and equipment necessary to meet the rigorous demands of extended-length lateral drilling.

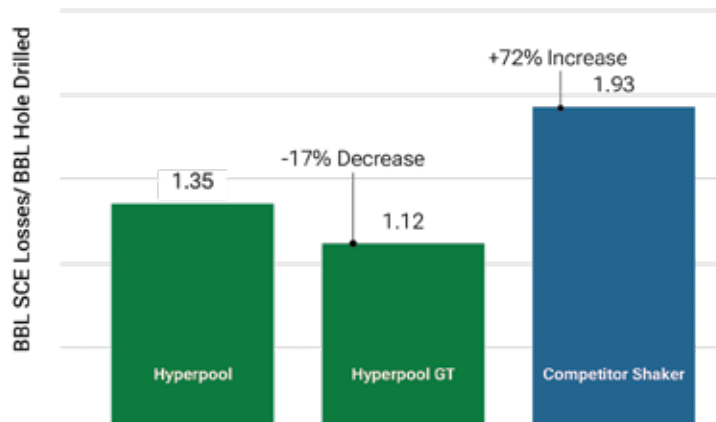
## THE RESULTS

The operator utilized both the Hyperpool GT and the competitor's latest shaker over a six-month period to generate a comprehensive dataset. Using the data collected by the operator during this trial over the course of 53 wells, the results demonstrated that the Hyperpool GT consistently outperformed the competitor's system:

- **72% lower dilution ratio** vs. the competitor's latest shaker
- **17% lower dilution ratio** vs. original Hyperpool®
- **520 bbl average dilution savings** per section over the competitor's latest shaker

At regional whole-mud prices of \$125 to \$170 per barrel, the 520 bbl reduction translated to approximately **\$65,000 to \$88,000 in savings per production section drilled** compared to the competitor's shaker. The operator conducted its own independent review of the same dataset, confirming the improvements in efficiency and capacity, and began replacing its rig fleet equipment with Hyperpool GT units as the preferred option and as drilling schedules allowed.

Hyperpool GT vs. The Competitor "Dilution Metric" Comparison



FOR MORE INFORMATION, PLEASE CONTACT YOUR LOCAL DERRICK SALES REPRESENTATIVE.

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