

Derrick® Hyperpool® Conversion Kit reduces fluids and disposal costs by 24%

- Average well cost reduced by over \$38,000 USD
- 26% reduction in mud costs (products and diesel)
- 24% reduction in drilling waste fees

Objective

Demonstrate cost-saving benefits provided by switching to Derrick® Hyperpool® technology.

Test Parameters

Evaluate shaker performance for DJ Basin operator on 3 wells utilizing BRANDT® KING COBRA™ HYBRID™ shakers and compare to 3 nearly identical wells operating in the same formation using Derrick’s Hyperpool Conversion Kit. Without changing any secondary solids control equipment, wells were compared by mud product costs, diesel consumption, drilling waste fees, screen costs, and overall cost savings.

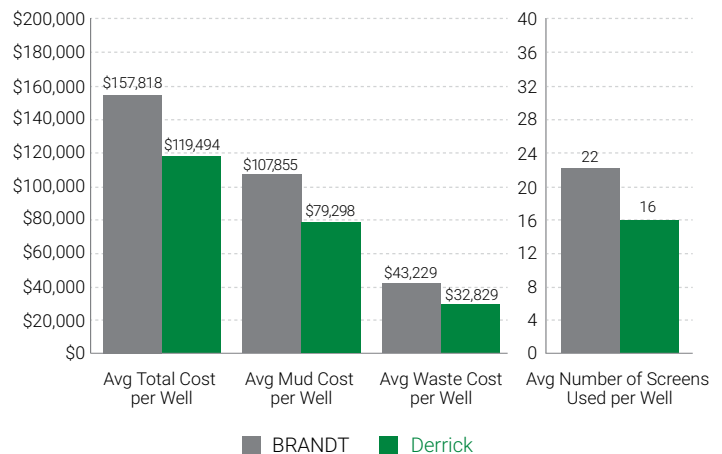
Conclusion

The Rockies operator reduced overall fluids and disposal costs by over 24% by utilizing Derrick’s Hyperpool Conversion Kit to increase solids removal efficiency and decrease total fluid losses at the flow line. This averaged out to a cost savings of over \$38,000 per well.

Contributing to the overall cost savings were reductions in mud product costs, waste disposal/haul off, and diesel dilution:

- 31% reduction in mud product costs per well (\$25,435)
- 11% reduction in diesel consumption per well (\$3,121 at \$1.26 per gallon)
- 24% reduction in drilling waste fees (\$10,400 at \$17 per barrel hauled off)

Derrick focuses on improving machinery performance while exceeding global HSE requirements in all equipment designs. By choosing Derrick’s Hyperpool technology, this customer was able to drill more cost-effectively, reduce environmental impact, and keep equipment operators safer.



Health, Safety, & Environmental (HSE) Benefits

Wells drilled with Derrick technology saw the following HSE benefits:

11% reduction in diesel consumption

- 90,000 gallons of diesel saved per year for each rig

24% reduction in drilling waste fees

- 25,200 bbl of haul-off saved per year

Light-weight screen panels

- Less than half the weight of competitor screens
- Less transportation cost
- Less solids waste disposal cost

Easy screen inspection, removal, and installation

- Less than 45-seconds per screen panel change
- Allowed for reduced exposure on the mud tanks
- Reduced risk of personnel injury
- No hammers required

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

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