

# S300 HIGH-FLOW FIBERGLASS RODS INCREASE PRODUCTION VS STANDARD FIBERGLASS

As unconventional drilling and completion methods evolve, the production practices that follow must keep pace. We bring together breakthrough technologies with a level of service that creates lasting partnerships with our clients.

## CHALLENGE

A large operator in the Permian Basin set out to validate whether fluid production could be increased at the same strokes per minute by reducing flow restrictions associated with standard fiberglass end fittings.

## SOLUTION

With support from Endurance Lift's optimization team, the operator selected a trial well to upgrade from standard S300 fiberglass rods with 2" end fittings to a S300 High-Flow (HIFL) design featuring 1.8125" end fittings. No other changes were made to the artificial lift equipment, and pump cards were compared while lifting from the same fluid level.

## RESULTS

By reducing the end fitting diameter, the **S300 HIFL system** minimized flow restrictions downhole—improving fluid handling efficiency, enhancing rod fall performance, and ultimately boosting production.



Data provided by the operator demonstrated that the **S300 HIFL fiberglass end fittings provided a 17% increase in production while holding constant the surface stroke, SPM, downhole pump size, and rod design.**



Contact your local representative for more information on Rod Lift products and services.

## PROJECT DESCRIPTION

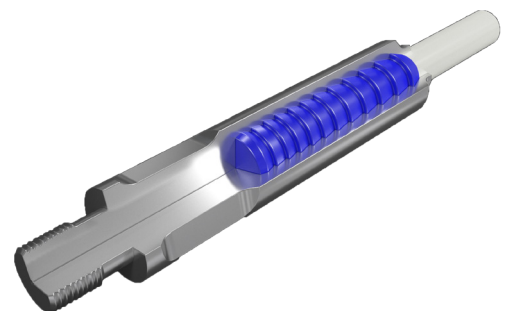
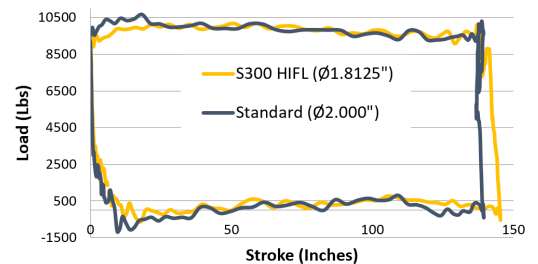
Location  
Permian Basin



Customer: Large Permian Operator

Lift Type: Rod Lift / Fiberglass

	Std End Fitting	HIFL End Fitting
Fitting Diameter:	2.0"	1.8125"
Surface Stroke:	169"	169"
Strokes/Minute:	6.3	6.3
Total Prod:	287 bfpd	337 bfpd
<b>Prod. Increase:</b>		<b>+17%</b>



Series 300 HIFL Fiberglass end fitting with hybrid 12-wedge design to balance loading between wedges while allowing for 40% more flow area and 60% less pressure drop across each connection.