

# GUARDIAN™ GAS AND SAND BOTTOM HOLE ASSEMBLY

## Demonstrates Superior Performance in 25 Well Trial

Endurance Lift Solutions is at the forefront of artificial lift innovation, delivering solutions and service to enhance recoveries and run life.

### CHALLENGE

A major Bakken operator was looking for a more effective downhole separation system to improve performance across their reciprocating rod lifted wells. Their existing bottom hole assemblies (BHA) were not delivering consistent results in terms of fillage, fluid production, or gas recovery. The goal was to identify a solution that could reliably enhance separation efficiency and boost overall production.

### SOLUTION

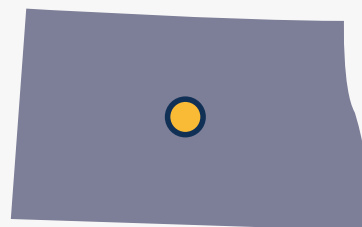
The operator initiated a field trial of the **Guardian™ Gas and Sand Separator** and the **Guardian™ Triple Bypass TAC** as a complete BHA solution—working together to maximize pump fillage, production, and equipment longevity.

The Endurance Lift systems were installed and directly compared to competitor systems in **25 wells** under similar operating conditions.

### PROJECT DESCRIPTION

#### Location

Bakken Formation



Customer: Large Bakken Operator

Lift Type: Rod Lift

Sys. Specifics: 30' Guardian™ & Triple Bypass TAC

Avg. Set Depth: 9,883'

	Competitor	Guardian™	+/-
<b>Avg. Fillage %:</b>	84	<b>94</b>	<b>+12%</b>
<b>Avg. BFPD:</b>	120	<b>174</b>	<b>+45%</b>
<b>Avg. Mscf/d:</b>	189	<b>316</b>	<b>+67%</b>

### RESULTS

The Guardian™ Gas and Sand BHAs outperformed the competitor systems across all key production metrics, on average, increasing pump fillage from 84% to 94%, total fluid from 120 to 174 BFPD, and gas output from 189 to 316 Mscf/d.

Across the 25 wells, the Guardian™ systems delivered 12% higher pump fillage, 45% more total fluid, and 67% more produced gas compared to competing BHAs.



Link to Guardian™ Gas and Sand Separator & Triple Bypass TAC performance animation.

