

GENESIS™ ADVANCED GAS HANDLING SYSTEM Achieves Transformative ESP Efficiency Results

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

CHALLENGE

A large Bakken operator was looking to improve efficiency and production while lowering pump intake pressure (PIP) in a well with high gas void fraction (GVF) and cyclical slugging issues.

SOLUTION

Working closely with the operator, Endurance Lift’s experienced team was able to design and recommend a system utilizing the proprietary **Genesis Advanced Gas Handling System**.

RESULTS

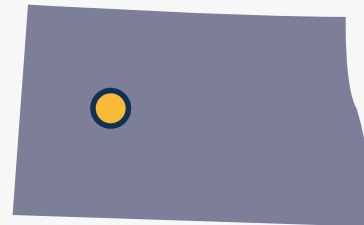
The **Genesis System** revamped production dynamics within the Gas Separator Curve. **The implementation of the Genesis System propelled Gas Separator efficiencies from an initial 50% to 72%.**

Notably, the Genesis System’s impact extended to the GVF at the first pump, significantly dropping from 80% to a more manageable 63%. Importantly, achieving comparable operational outcomes without the Genesis System would necessitate operating at a higher PIP, inevitably resulting in diminished production.

The net benefit derived from the implementation of the Genesis System was a substantial increase in oil production (21 BOPD) and efficiency, demonstrating the system’s potential to revolutionize gas-liquid separation processes.

PROJECT DESCRIPTION

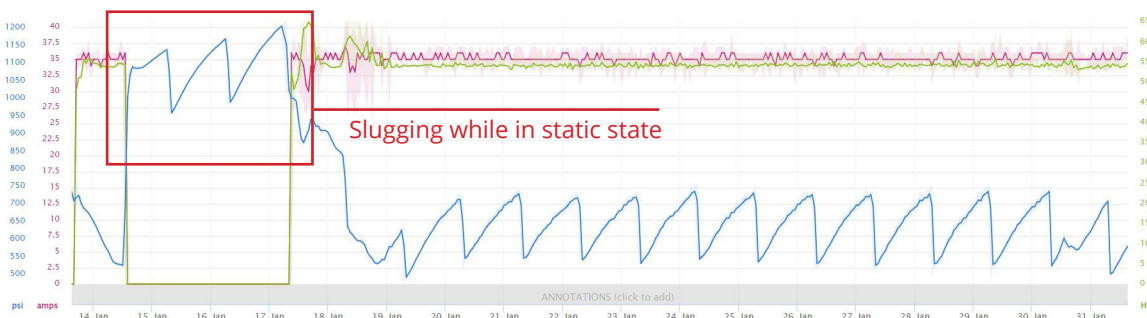
Location
Bakken Formation



Customer:	Large Bakken Operator
Lift Type:	ESP
Sys.Specifics:	1750L Genesis System / 204HP
Standard System:	50% Gas Separator Efficiency
Genesis System:	72% Gas Separator Efficiency
Fluid / Gas:	250 BFPD / 500 MCFD
GOR / GLR:	2,857 / 1538
Production +/-:	+21 BOPD
ELS Run Days:	323 days and counting...



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



Due to an up-dip horizontal, the well exhibits slugging behavior even in static states. In managing these slugs, the Genesis System proved to be a pivotal component in preventing downtime for the well.