

BLAZE® TREATED GAS LIFT MANDRELS SOLVE CORROSION-EROSION ISSUES IN BAKKEN

Endurance Lift Solutions is at the forefront of artificial lift innovation, delivering industry-first technologies that enhance recoveries and run life.

CHALLENGE

An operator in the Bakken was experiencing **short run times due to failed mandrels after ~6 months** on 5 of 6 affected wells. Corrosion, primarily H₂S, in the lug and mandrel body behind the Gas Lift Valve (GLV) port was the culprit. **The operator looked to Endurance Lift for a solution as workover costs of ~\$60K and an average of 6 days of lost production (5,520bbl/oil, 13,800mmcf) were adding up.**

SOLUTION

Endurance Lift introduced **BLAZE Gas Lift Mandrels** for the bottom 5 valves to address these challenges.

RESULTS

The BLAZE treated mandrels experienced no failures, unexpected workovers or interrupted production.

After 8.5 months, over 2 months longer than the previous average failure times, the systems were proactively pulled for frac protect, providing ELS and the operator a chance to inspect the parts. **The BLAZE treated mandrels** (lugs and mandrel bodies) **showed ZERO corrosion-erosion.**

Following the inspection, the operator chose to rerun the BLAZE mandrels downhole.

Given the performance achieved in this challenging well, the operator ordered an additional **54 BLAZE mandrels** for installation on the **bottom 6 valves** in their next **9 well pad.**

As of November 2024, these BLAZE-treated mandrels have achieved more than 680 days of incremental run time, for a cumulative run time in excess of 900 days...an improvement of more than 5X.

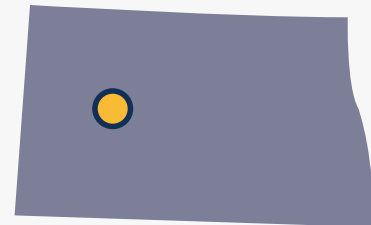


Contact your local representative for more information on ELS Gas Lift Offerings.

PROJECT DESCRIPTION

Locations

Bakken Formation



Customer:	Large Independent
Lift Type:	Gas Lift
Daily Production - Oil:	920bbl
Daily Production - Gas:	2,300mmcf
Previous MTTF:	~30 months
BLAZE Run-time:	8.5 months and counting

* BLAZE mandrels were rerun after inspection



Conventional GL Mandrel showing corrosion-erosion of the Lug/GLV port after 6 month run time.



BLAZE treated GL Mandrel showing no corrosion-erosion of the Lug/GLV port after 8.5 month run time.