

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.**

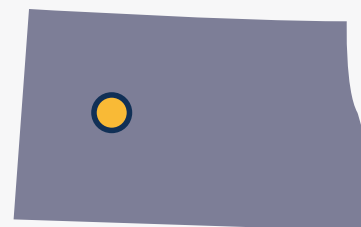


Contact your local representative for more information on ELS Gas Lift Offerings.

PROJECT DESCRIPTION

Locations

Bakken Formation



| | |
|--------------------------------|-------------------------|
| Customer: | Large Independent |
| Lift Type: | Gas Lift |
| Daily Production - Oil: | 920bbl |
| Daily Production - Gas: | 2,300mmcf |
| Previous MTTF: | ~6 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.