

# BLAZE® TREATED GAS LIFT MANDRELS SOLVE CORROSION AND EROSION ISSUES

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

## CHALLENGE

An operator in the Bakken was experiencing **short run times due to failed epoxy-coated mandrels after ~6 months**. Corrosion, primarily H<sub>2</sub>S, was the culprit. **The operator looked to Endurance Lift for a solution as workover costs and lost production were adding up.**

## SOLUTION

Endurance Lift introduced **BLAZE® Gas Lift Mandrels** 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 average failure times for epoxy-coated mandrels, the BLAZE® mandrels were proactively pulled for a frac protect, providing an opportunity to inspect them. **The BLAZE-treated mandrels showed ZERO wear.**

Following the inspection, the operator chose to rerun the BLAZE mandrels. **After more than 1,000 days downhole, the BLAZE-treated mandrels showed little or no wear, demonstrating a 5X increase in run time.**

## PROJECT DESCRIPTION

### Locations

Bakken Formation



**Customer:** Large Independent

**Lift Type:** Gas Lift

**Previous MTF:** ~6 months

**BLAZE® Run-time:** 1,000+ days

**\* BLAZE® mandrels were rerun after inspection**



Conventional mandrel degraded after 6 months



Inspected BLAZE®-treated mandrel at 8-1/2 months



Contact your local representative for more information on ELS Gas Lift Offerings:  
817-259-2450