

BLAZE® TREATED CENTER ROD PLUNGERS Deliver Cost Savings with Improved Durability

Mechanical wear, corrosion and abrasion are common production challenges encountered by operators utilizing plunger lift systems. In the face of these challenges, BLAZE® technology is dramatically enhancing the longevity of equipment.

CHALLENGE

A major oil and gas producer operating in the Eagle Ford Shale was experiencing accelerated plunger wear, including excessive outer-diameter erosion and frequent fish neck failures on center rod fast-fall plungers. These failures led to increased downtime, higher maintenance costs, and frequent plunger change-outs.

SOLUTION

Endurance Lift was consulted to evaluate the application and recommended a field trial of its **Heavy-Duty Center Rod Plunger**, featuring a robust fish neck and center rod design combined with Endurance Lift's proprietary **BLAZE surface treatment**.

RESULTS

Following deployment, the operator achieved a significant improvement in plunger durability. The **BLAZE treated plunger body exhibited reduced wear** while the heavy-duty fish neck and center rod assembly delivered increased impact resistance and structural reliability.

As a result, the operator was able to **extend plunger service life and reduce plunger change-out frequency by more than 3X**, directly lowering field maintenance costs and improving overall system reliability.



PROJECT DESCRIPTION

Location
South Texas



Customer: Large Operator

Lift Type: Plunger Lift

Pre-BLAZE: 1 month average run life

Post-BLAZE: 4 month run and counting...

Cycles: 5,000+ and counting...



Discover how BLAZE can enhance plunger run time performance in your wells.



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