

BLAZE TREATED SUCKER ROD COUPLINGS Eliminate Tubing Wear Failures

Our Blaze® treated products address the common production challenges customers face during field operations - mechanical wear, corrosion and abrasion

CHALLENGE

A large oil and gas producer in the Permian Basin was looking for a solution to **extend run times** on their sucker rod applications between tubing wear failures in their **highly deviated wells**. Other challenges included high sand production and some corrosion on downhole steel components. The customer approached Endurance Lift Solutions approximately two years ago to address this issue.

SOLUTION

The producer was introduced to our **Blaze treated couplings** to reduce coupling-on-tubing friction throughout the wellbore. The client also chose to run Endurance fiberglass sucker rods.

RESULTS

Since the producer began running **Blaze treated sucker rod couplings** approximately two years ago, they have had **zero failures due to tubing wear**. As well, due to the reduced coupling-on-tubing friction, the actual vs. SROD pump stroke in these wells is equal to that of wells without deviation. The producer indicated they are achieving the maximum pump stroke they targeted in their designs. As well, the Blaze treated couplings have shown **no sign of corrosion** despite seeing this on some of their high strength steel sucker rods.



PROJECT DESCRIPTION

Location
Permian Basin



Customer: Large Producer

Lift Type: Rod Lift

Typical Set Depths: 6500' to 6800'

Typical Side Load: 200lbs to 500lbs

Typical Design: Steel/FG/Steel / 192-240" SL

Typical Production: 200BPD to 500+BPD

Speed: 5-8 Strokes Per Minute

Since Last Failure: 2 years and counting

BLAZE® THERMAL BORON DIFFUSION TECHNOLOGY

μ LOW COEFFICIENT OF FRICTION
Surface provides reduced coefficient of friction over base metal and competing coatings – permanent lubrication regardless of load

ABRASION RESISTANT
1800-2300 Knoop | 116 Rockwell C (extrapolated)

CORROSION RESISTANT
Enables longer life in challenging downhole and surface conditions facing CO₂ and H₂S



Contact your local representative for more information on Blaze products or our treatment as a service (TAAS).

VISIT WEBSITE