

BLAZE TREATED PLUNGERS ACHIEVE 189% AVERAGE RUN TIME IMPROVEMENT

Mechanical wear, corrosion and abrasion are common production challenges encountered by operators utilizing plunger lift systems. Despite these challenges, the Blaze® metal treatment process is dramatically enhancing the longevity of plunger lift equipment.

CHALLENGE

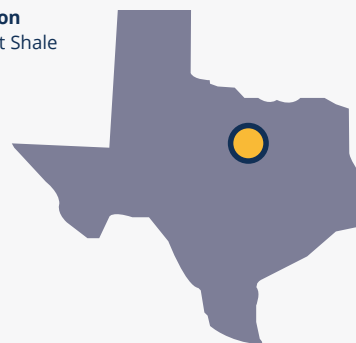
Maintaining production and longevity of a plunger lift system is highly dependent upon how the mechanical components interact with the well bore. An operator desired to address the challenges of abrasion and mechanical wear of **4140 pre-heated material plungers** on three wells with typical plunger replacement cycles of approximately every 8 weeks. On top of lost or deferred production, this required personnel to travel to the well to conduct frequent maintenance.

SOLUTION

Blaze treated plungers were introduced and selected by the customer partner for trial.

PROJECT DESCRIPTION

Location
Barnett Shale



Customer:	Large Operator		
Plunger Lift:	Well 1	Well 2	Well 3
Previous Run Times:	52	56	57
BLAZE Run Times:	220+	184+	83
Previous Cycles:	1,500	1400	800
BLAZE Cycles:	5,547+	4,903+	1,188

RESULTS

All three **Blaze treated plungers** achieved greater cycles and run life results than the previous non-treated plungers. At the time of publication, two of the three Blaze treated plungers continue to operate. The third was pulled for an unrelated issue.



BLAZE treated barstock (top) with a non-treated barstock (bottom).



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