Semi-Elliptical COROD[®] Continuous Rod

Saves More than \$4 Million in Failures and Workover Costs



A Permian Basin operator replaced conventional guided sucker rods with Weatherford semi-elliptical COROD continuous rod for an 87% reduction in tubing leaks and 81% lower rod-string failure rate.

Objectives

• Reduce excessive downtime and workover costs caused by more than 200-lb (91-kg) sideloads and more than 2° doglegs in more than 30 reciprocating rod-lifted wells operating with conventional guided sucker rods. The operator had experienced more than 150 tubing leaks and rod-string failures over a two-year period.

Our Approach

- Following a thorough pre-job analysis, Weatherford production specialists suggested replacing the round continuous rod with semielliptical COROD. This exclusive continuous-rod solution reduces sideloading and production-tubing wear by dispersing contact loads throughout the rod string.
- The Weatherford team installed the semi-elliptical COROD continuous rod in more than 30 wells.
- Over the next two years, COROD continuous rod reduced tubing leaks by 87% and rod-string failures by 81% when compared to the previously installed conventional guided sucker rods.

Value to Customer

• Weatherford semi-elliptical COROD continuous rod significantly reduced downtime and workover costs in more than 30 wells previously outfitted with conventional guided sucker rods. This reduction saved the operator more than \$4 million over a two-year period.

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LOCATION West Texas

WELL TYPE Reciprocating rod lift, onshore, oil, horizontal

FORMATION Permian Basin, Wolfcamp Shale

HOLE SIZE 5-1/2 in.

CASING SIZE 5-1/2 in.

TUBING SIZE 2-7/8 in.

DEPTH 9,000 ft (2,743 m)

PRODUCTS/SERVICES Semi-elliptical COROD continuous rod



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