

DELAWARE BASIN
PECOS COUNTY, TEXAS

BHA	Steerable positive displacement motor (PDM)
Power section	8 $\frac{1}{8}$ -in lobes 5.9 stages
Well type	Vertical
Mud type	Water-based mud
Interval	9 $\frac{7}{8}$ in
Section length	6,852 ft [2,092 m]
TD	9,363 ft [2,854 m]
Circulating hours	126 h

Background

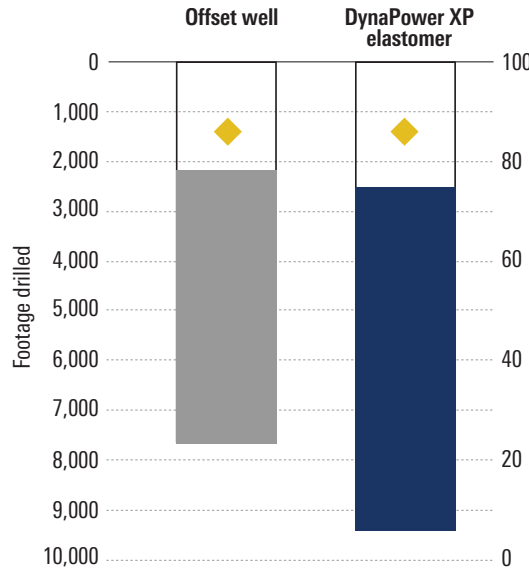
An operator wanted to drill the 9 $\frac{7}{8}$ -in interval of a vertical well in the Delaware Basin as fast as possible. Previous drilling in offset runs averaged 5,706 ft [1,739 m], but the operator wanted to improve footage drilled.

Technologies

- DynaPower XP* extreme-power motor elastomer

Extreme-Power Motor Elastomer Achieves 25% Increase in Footage Drilled, Delaware Basin

DynaPower XP elastomer increases motor run life in challenging environment, outperforming offset runs



Dyna-Drill, a Schlumberger company, recommended using a motor with the DynaPower XP extreme-power motor elastomer to increase performance and extend motor run life without compromising the ROP. The power section that used the DynaPower XP elastomer achieved 25% more footage than the next longest offset run in the county with no compromise to ROP. The run with the DynaPower XP elastomer serves as the longest run in the county using a power section with 8 $\frac{1}{8}$ -in lobes and 5.9 stages.

*Mark of Schlumberger
Copyright © 2019 Schlumberger. All rights reserved. 19-BDT-604563