

DELAWARE BASIN OPERATOR IMPROVES LATERAL ROP 36% WHILE REDUCING VIBRATION 9.7% WITH CLOSED LOOP PREDICTIVE DRILLING



Problem/Background:

Consistent drilling across rigs, crews, and geographies.

Approach:

Our primary objective is to deliver the lowest cost per foot drilled and save unplanned trips by automating optimal set points and reducing dysfunctions and shock-and-vibe.

Value Delivered:

4 Delaware basin laterals drilled with RSS, Corva Predictive Drilling Solution, and Nabors SmartROS

- Crew increased utilization of Predictive Drilling to over 80% of the lateral by the fourth well
- 0 unplanned trips
- Reduced average vibration 9.7% using Predictive Drilling Vibration Filter
- Delivered a 36% increase in on bottom ROP versus offsets
- Reduced bit wear and faster drilling saves \$50,000 - \$100,000 per well