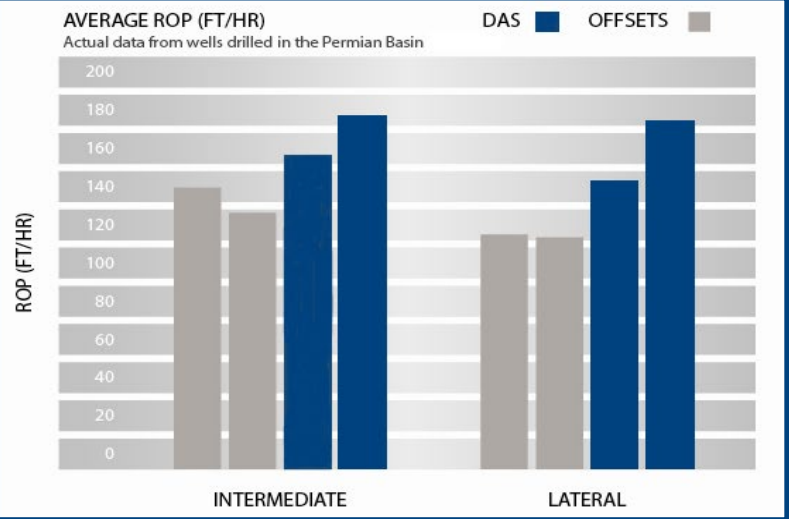




# DAS™ – Automated Drilling Optimization

Supercharge your drilling operations with DAS\*—Pason’s automation system for smoother, faster drilling and reduced wear on downhole equipment.

- 250+ installations
- 3500 wells drilled under full automation
- Dozens of record-breaking pacesetters
- Proven results in all North American basins



## Two Optimization Modes

- Achieve peak drilling efficiency with **Wave Mode** – Optimizes WOB and RPM (if available) for minimum MSE
- Target maximum cutter engagement with **DiffP Mode** – Maximizes ROP by focusing on high bit torque



## Superior Control and Dysfunction Mitigation

- Smart ROP setpoint control
- Minimize WOB and differential overshoots
- Intelligent stick-slip detection and mitigation



## Roadmapping Automation

- Upload simple Roadmap spreadsheets for optimal parameter windows
- Reduce trouble zone risk

