PRODUCTS/SERVICES
SMART Sens tool

# SMART Sens<sup>™</sup> Delivers Pump Down Assurance in Extended Reach Lateral



Example SMART Sens pump down log

#### **Objectives**

- Client planned a multi-stage "plug and perf" operation with more than 50 stages per well.
- There has been a history of pump down conveyance problems due to complex well profiles.
- Because of the combined effects of cable friction in the flow tubes and cable friction in extended lateral wells, the tension measured at surface was not considered a reliable indicator of downhole tension at the logging head.
- Client requested the SMART Sens tool to provide a real time measurement of downhole tension during pump down

#### **Our Approach**

• Two SMART Sens tools were deployed to the district and shop tested with a mock perforating string prior to deployment on location.

### Value to Customer

- 110 Pump down runs were completed in two wells with SMART Sens.
- Perforating strings with plugs successfully conveyed to over 18,200 feet measured depth with over 9,200 feet of lateral.
- Campaign successfully completed with zero tool maintenance, zero tool failures, and zero lost time.
- Multiple instances observed where downhole head tension behaved differently from surface cable tension.

## **Weatherford**

weatherford.com

© 2016–2024 Weatherford. All rights reserved. 14831.00

Weatherford products and services are subject to the Company's standard terms and conditions, available on request or at weatherford,com. For more information contact an authorized Weatherford representative. Unless noted otherwise, trademarks and services marks herein are the property of Weatherford and may be registered in the United States and/or other countries. Weatherford products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and may be rotected by one or more U.S. and/or foreign patents. Specifications are subject to change without notice. Weatherford sells its products and services in accordance with the terms and conditions set forth in the applicable contract between Weatherford and the client.