



# Operator Achieves High ROP in Horizontal Section, Drills One-Run Lateral

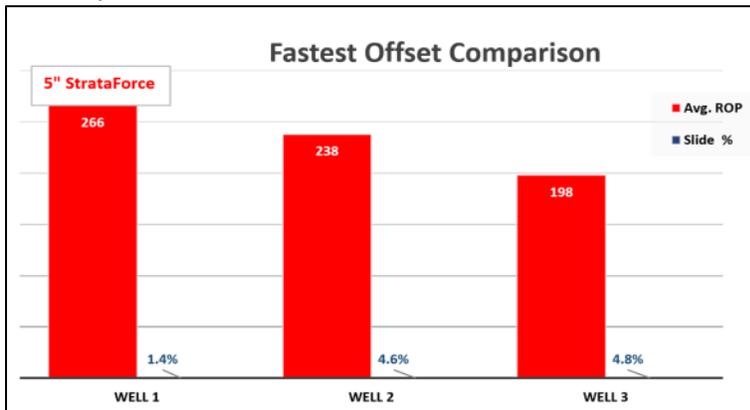
## 5" STRATAFORCE™ HIGH-PERFORMANCE MOTOR & MEASUREMENT-WHILE-DRILLING SYSTEM IMPROVES ON BOTTOM DRILLING PERFORMANCE BY 23 PERCENT

NORTH DAKOTA – WILLIAMS COUNTY

An operator in the Bakken wanted to reduce drilling time in horizontal 6" hole sections. Halliburton Sperry Drilling team collaborated with the operator to deliver an engineered drilling solution to reduce well time by utilizing the 5" StrataForce™ high-performance motor. The Drilling Engineering Solutions team from Sperry Drilling delivered a motor bottom-hole assembly (BHA) design for accurate trajectory tracking to minimize sliding time to deliver the lateral with the highest rate of penetration (ROP). The MWD system from Sperry Drilling delivered accurate directional measurements, shock and vibration data and gamma ray information without interruption. The Sperry Drilling team delivered a shoe-to-shoe, one-run lateral, improving on bottom drilling performance by 23% versus plan.



5" StrataForce™ motor delivered high differential pressure of more than 1,000 psi.



Interval	Well ft.	Rotating ft.	Average ROP (ft/hr)	Slide %	Drilling Hrs.
Lateral	10,219	10,072	266	1.4	38.43

© 2020 Halliburton. All rights reserved. Because the conditions of use of this product are beyond the seller's control, the product is sold without warranty either express or implied and upon condition that purchaser make its own test to determine the suitability for purchaser's application. Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or if damaged. Except for such replacement, seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however.