

WWT Silencer

WWT Non-Rotating Silencer Utilized To Maintain Directional Control

WWT Silencer Reduces Slide Drilling, 90% ROP Increase

Executive Summary

• The WWT Silencer installed directly behind the motor acted as a dampening stabilizer to reduce high frequency vibration and mitigate build tendencies. The Silencer helped drill the county's record length bit run at nearly double the rate of penetration.

When compared to the previous well drilled without the Silencer:

- No outer wear to the drill bit, indicating mitigation of bit tilt and whirl.
- Reduced required slide drilling lateral footage from 55% to 11%.
- Increased ROP from 99 to 188 ft/hr.

Time, hours

