

## WWT Slider-Clamp Low-Friction Cable Protector

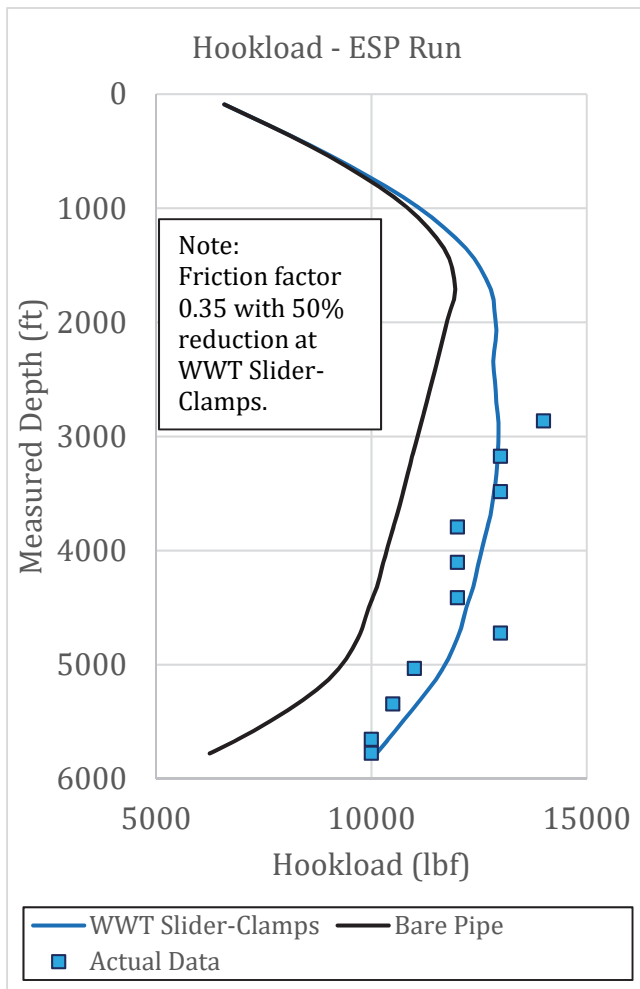
WWT Slider-Clamp helps provide a smooth ESP run in difficult conditions.

### Well Basics:

- Swapping out electric submersible pumps (ESP).
- Pumps set in horizontal section with 2000ft TVD and 5000ft horizontal displacement.
- 2-7/8" Tubing with round ESP cable.
- Previous ESP run on this well, approx. 6 months back, had substantial difficulties due to buckling and drag.
- Workover rig.



Location: California, USA  
 Well Type: Land, ERD Well  
 Objective: Run ESP to target depth.  
 Solution: WWT Slider-Clamp  
 Results: Successful run with no signs of buckling.



Hookload graph showing WWT Slider-Clamp benefits.



WWT Slider-Clamp low friction cable protector.

### Results:

- Analysis run using WWT-developed buckling models.
- Total of 60 WWT Slider-Clamps run at the bottom of the string.
- Operator had no problems running ESP to bottom.
- No signs of stacking weight or buckling.
- **As-drilled data shows that sliding friction was reduced by 50% where WWT Slider-Clamps were installed.**

WWT LFCP

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