

WWT Slider-Clamp Low-Friction Cable Protector

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

Well Basics:

- Running electric submersible pumps (ESP) on shallow ERD well.
- Pumps set in horizontal section with 2000ft TVD and 5000ft horizontal displacement.
- 2-7/8" + 3-1/2" Tubing with round ESP cable.
- Several previous ESP runs on adjacent wells had difficulties due to buckling and drag, with 0.35-0.40FF during ESP runs.
- Drilling rig.

Results:

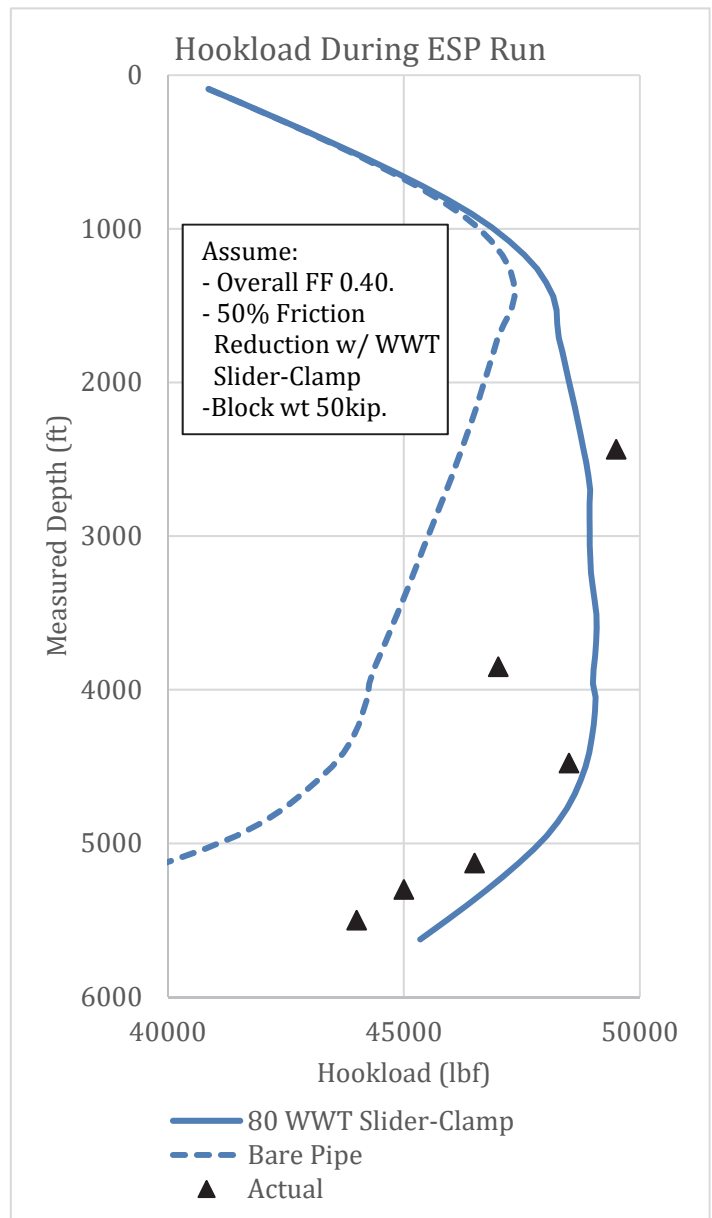
- Analysis run using WWT-developed buckling models.
- Total of 80 WWT Slider-Clamps run at the bottom of the string.
- Operator had no problems running ESP to bottom.
- **As-drilled data shows that sliding friction was reduced by approx. 50% where WWT Slider-Clamps**



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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.