

## Protecting ESP Cable with WWT Slider-Clamps

### Protecting ESP Cable and Capillary Tube While POOH

WWT Slider-Clamp Cable Protectors were utilized to protect both the ESP cable and capillary tube on five horizontal pad-drilled wells in the Permian with moderate doglegs in the nudge and vertical sections.

### Easily Installed

High Performance (HP) Slider-clamp models were installed at 1 per joint. Installation began 2 joints above the ESP's motor lead extension (MLE), covering areas of highest dogleg severity. The WWT Slider-Clamps were easily stretched around the pipe and cable by hand, and installed using two standard 3/4" bands, approx. 12" below each coupling. Two additional bands were placed on each joint for redundancy.

### Easily Removed, Fully Reusable

For reasons unrelated to the Slider-Clamps, some of the ESP's were pulled prior to starting production. This provided an opportunity to evaluate the durability and performance of the Slider-Clamps. The removal process was easily accomplished with shears. All clamps showed no damage or degradation, and all were able to be reused without refurbishment.

### Slider-Clamps Save Time

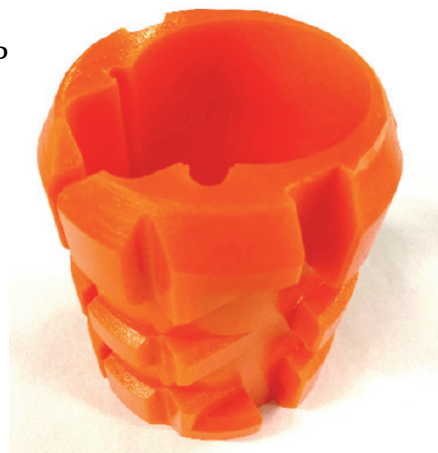
Numerous comments were made by rig hands and ESP consultants that the process of removal and reinstallation was much faster and smoother than other styles of clamps. The installation process took approximately 25 seconds per clamp, while the removal process took approximately 7 seconds.



**Location:** Permian  
**Well Types:** Pad-horizontal  
**Objective:** Protecting ESP Cable and CT  
**Solution:** WWT Slider Clamp Cable Protector  
**Results:** TD was reached with no issues; Efficient removal

### Specifications

- **Model** - B2-278-163F - HP
- **OD** - 4.4 in.
- **ID** - 2.8 in.
- **Length** - 5.5 in.
- **Material** - Polyurethane
- **Max Temp** - 250°F +
- **Banding** - Two 3/4 in.



*WWT Slider-Clamp Cable Protector. 1-pc High Performance Polyurethane,*



*WWT Slider-Clamp During the Uninstall Process*

WWT Silencer Non-Rotating Sub Assembly  
[www.wwtinternational.com](http://www.wwtinternational.com)