

WWT FlexShoe helps 5in Casing through Tough Conditions

Operator Identifies WWT FlexShoe as a Possible Solution to Casing Running Difficulties.

An operator drilling a high-angle, re-entry/sidetrack well through soft formation from an offshore California location wanted to reduce risk in running casing.

Well Basics:

- Depleted, soft formations
- More than 95° inclination.
- 9 5/8in 36ppf casing to 1500ft.
- 7in 26ppf liner from 1500 to window @ 6700ft.
- 6-1/8in OH to 8200ft
- Most of OH is horizontal.

WWT FlexShoe Guides Casing to Bottom

Using a FLX-500 with an offset nose guide, the casing was run through the window, through several significant dog-legs and tight spots, and able to rotate to within 50ft of planned setting depth.

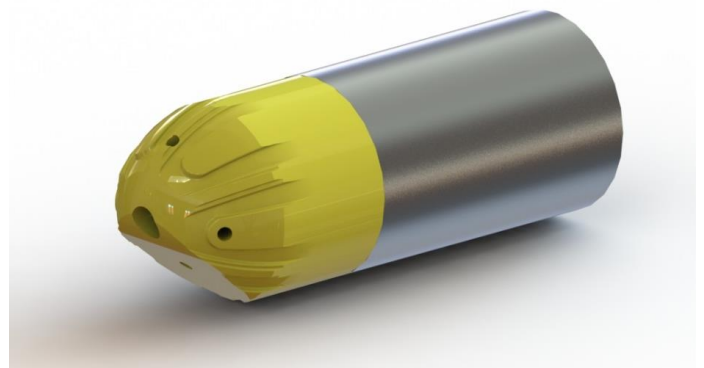
In three locations, the casing was rotated with 5-10kip down weight through a couple tight spots. Due to ECD concerns and soft, depleted formations, rotation without circulation was planned through any tight spots. Casing was set approx. 50ft high due to settled cuttings. The cement job was also completed without any significant difficulties. Customer was pleased with the run.

Per K&M Casing Run Report...

“It’s likely the flexible lipstick guide shoe provided by WWT performed as advertised.”



Location: California
Well Type: Offshore High Angle
Objective: Run Casing in High Inclination Wellbore
Solution: WWT FlexShoe
Results: Casing run to bottom with no significant drag.



WWT Non-Rotating Protectors
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