

WWT FlexShoe helps 4 1/2" Casing Get to Bottom

Operator Identifies High Dog-Leg Section

While drilling a horizontal well in West Texas, surveys identified dog-leg severities up to 29°/100ft. The operator had experienced casing running difficulties with higher than normal dog-legs in the past and decided to run WWT's FlexShoe to see if the flexible guide shoe could traverse the challenging deviations.

WWT FlexShoe Guides Casing to Bottom

The WWT FlexShoe was installed below the customer supplied float and did not create any handling challenges.

Using a FLX-450 with the poly nose, the 4-1/2" casing was run to bottom without any significant drag or difficulties. No drag seen through the severe dog-legs in the build section as seen on previous wells.

The customer was able to circulate and cement with lower pressures than a conventional shoe, possibly due to better resistance to cuttings plugging up the nozzle.

15-20k lbs of weight was able to be set down on FlexShoe without any problems and optimal TD was reached quickly and without any problems.



Location: Permian Basin (Texas)

Well Type: Horizontal

Objective: Run 4-1/2in casing in through severe dog-legs.

Solution: WWT FlexShoe

Results: Casing run to bottom.

