



DYNAMIC PUMP DOWN

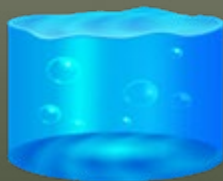
12 BPM Needed to Move Tools
Without Pump Down Sub

PUMP RATE COMPARISON

With Pump Down Sub VS. Without

data from actual job

Only 2 BPM Needed to Move Tools
With Pump Down Sub



01

DPD is a pump down sub that expands and contracts with the changing ID's of a wellbore giving you centralization and a large surface to pump against (via a proprietary parachute material) for operations requiring horizontal deployment of a tool string. It can collapse down to 2.5" and expand out to 8".

02

DPD has a thru contact rod so you can pump down anything from logging tools to guns. It's 2.5" OD is small enough to fit through most casing sizes and get through severe restrictions/deformations but strong enough to support much larger/heavier tool strings. DPD can be run over wireline with an acme thread or below the cable head with a GO connection.

03

Significantly reduce the amount of fluid and horsepower required for moving your tool string through the lateral section of a well.