



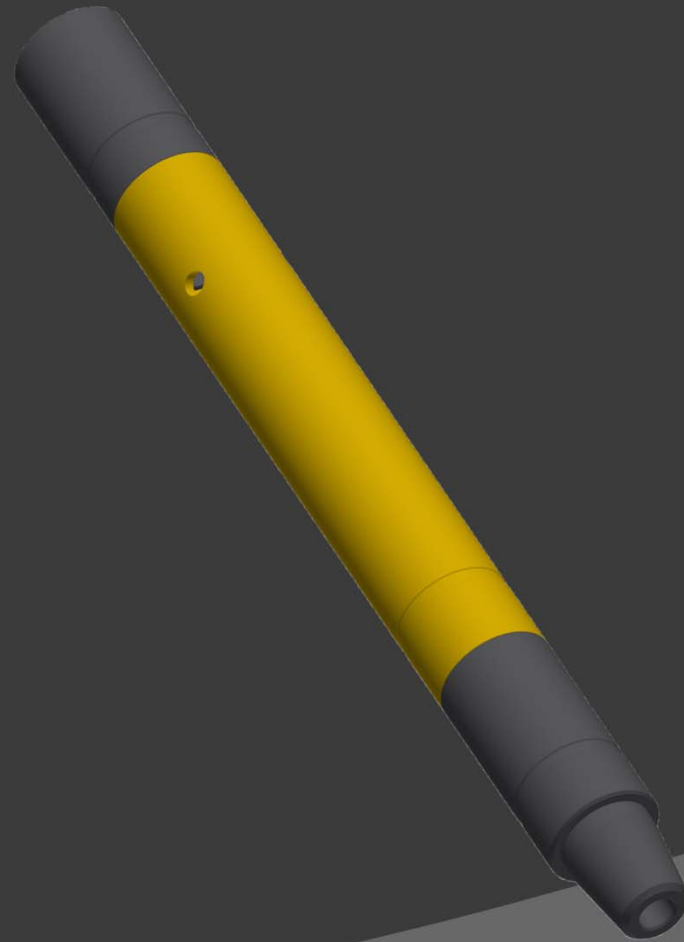
GovernR

Smart AV Sub

Downhole. Workover. Rentals.

GovernR

- ② Introduction to tool
- ② Features
- ② Benefits
- ② Specs & Accessories
- ② Contact Information
- ② WOS Overview & Locations



GovernR

- 🌀 The WOS GovernR is a smart AV sub that increases velocities while allowing for generous flow below the smart sub making it the perfect downhole device for assisting in hole cleaning.
- 🌀 Whether limited by a downhole motor or an extended reach tool the ability to bypass some of the fluid above these tools through a sub that allows for increased pump rates and thus an increase in annular velocities is a crucial aspect of removing debris from the wellbore.
- 🌀 The smart sub not only opens and closes via differential pressure but can be adjusted to the needs of the operator.



GovernR - Applications

- ⌚ Extended milling applications where additional Avs may be needed
- ⌚ Additional Avs with rate limited tools
- ⌚ Instances where hole cleaning is a primary concern
- ⌚ Emergency situations where additional Avs are needed to get to bottom or pull out of hole
- ⌚ Kicking wells online with nitrogen



Features

- Can be ran with standard completion fluids and or nitrogen
- Setup to open and close at predetermined pressures
- Generous flow ports to prevent motor stalls in high flow rate situations
- Internally dampened to allow for use with Extended Reach Tools such as the WOS EaZyDrill or specialty milling tools such as the WOS HammRDrill.
- The compact design minimizes additional length and rigidity added to the BHA as compared to similar tools



Benefits

- ⦿ Does not starve motor which can lead to premature motor failure
- ⦿ Avoids the need to drop a ball during operations keeping flow paths open
- ⦿ Carbide jets allow for max rate without the risk of washing out for better hole cleaning
- ⦿ Allows for additional annular velocities with rate limited tools below the GovernR
- ⦿ Easily configurable to client specified needs for optimal hole cleaning



Specs & Accessories

GovernR Specs	
Tool Size	3.13"
Port Quantity	3
Max Rate	7bpm
Activation Pump Rate	Variable
Make-Up Torque	3,100ft/lbs
Max Overpull	225,000
Connections	2.375" REG BxP

- WOS Optional Accessories
 - WOS PowR Motors
 - WOS High Flow Check Valves
 - WOS AV Sub
 - WOS Flex Sub
 - WOS PulverizR Bits
 - BitSavR

Contact Information

To secure the highest quality of tools engineered, manufactured and tested in the USA contact your local WOS representative or contacts below

Main phone - 346-774-4433

Email - sales@wos.com

WOS Company Overview

- 🌀 Started Operations in Q3 2015
- 🌀 Fully Supported Downhole Tool Division
 - Design & Engineering
 - Machining & Fabrication
 - Field Operations
 - Rebuild & Redress
 - Evaluate Performance
- 🌀 Wireline
 - 4 trucks in the Northeast and 2 in West Texas
 - Started operations in July 2018
- 🌀 Operational Coverage
 - Pennsylvania, Ohio, West Virginia, and New York
 - Texas, New Mexico
 - North Dakota, Wyoming
 - Louisiana



WOS Locations

