



FULL-BORE ANNULUS OPERATED DST TOOLS

Full-Bore Drillstem Testing Tools are used for testing formations after casing has been set in a well. These tools may be used for testing in vertical or deviated wells. Although the tools are designed primarily for offshore operations, drillstem testing may also be performed on land operations where wells are deep and highly deviated.

The Full-Bore configuration allows perforating through the system. High production flow rates may be achieved.

Pressure-Volume Balanced Slip Joints provide free travel in the test string for offshore floating platforms. Drill collars used below the slip joints ensure sufficient weight is placed on the packer.

A Hookwall Casing Packer is used to isolate zones and to anchor against the casing. The packer is operated by applying an upward pull, rotating a half turn to the right at the tool, and setting down. A straight upward pull releases the packer. An integral bypass allows fluid to equalize across the packer after testing is completed.

A Multi-Cycle Circulating Valve allows spotting of fluids to the packer, as well as reverse circulating after drillstem testing. This valve is operated by cycling pressure down the tubing and the annulus in order to open or close the circulating ports.

The Annulus Pressure Operated Shut-In Tool allows multiple flow periods and shut-in periods. Pressure is applied in the annulus to open the valve for flow periods, and pressure is released from the annulus to close the valve for shut-in periods. Excessive pressure applied to the annulus causes the valve to lock closed, as a safety measure.

PRODUCT FEATURES

- System allows testing of formations after casing has been run into a well. Concerns about open-hole formations are eliminated.
- System may be used for land or offshore operations.
- System may be used in vertical or highly deviated wells.
- System is very economical to operate.
- Multiple flow periods and shut-in periods may be obtained with each zone tested.
- Full-Bore configuration allows perforating through the system and high flow rate production.

O.D. (mm)	O.D. (inches)	I.D. (mm)	I.D. (inches)
79	3.12	32	1.25
108	4.25	51	2
127	5.00	57	2.25

