

Well Flow Management

DST-TCP

Multi Reverse Spot Tool (MRST)

The Multi-Reverse Spot Tool provides a means of establishing communication between the annulus and the drill string. It has three functional positions: closed, reverse, and circulate, and may be run in the well in either the closed or reverse positions.

The tool may be cycled as many times as required. It may be used to displace fluids before a test, to spot fluids (nitrogen or acid) and/or to reverse circulate recovered fluids from the drill string.

Specifications

Working pressure	15,000 psi/103.42 Mpa
Working temperature (See note 1)	350 °F/175 °C
OD (in/mm)	5" / 127mm
ID (in/mm)	2.25" / 57.2mm
Upper thread connection	3 3/4" Stub Acme, 6 TPI
Lower thread connection	3 3/4" Stub Acme, 6 TPI
Tensile strength	350,000 lbf / 155,600 daN
Tensile strength at max working pressure	30,000 lbf / 13,345 daN
Tool length (in/mm)	138.2in/3510mm
Tool weight (lbs/kg)	575 lbs/ 261 kg
Service condition	H2S per Nace MR-01-75

Note 1: Working temperature can be increased by changing sealing configuration as follows: Up to 400°F/204°C – Standard elastomers and premium back-up rings.

