

DATA SHEET



OILSCO TECHNOLOGIES
A KEY ENERGY VENTURES COMPANY

HOLE CLEANING TOOL (H.C.T)

New thinking. New levels
of drilling performance.

OILSCO Technologies' Hole Cleaning Tool (HCT) takes on one of the big challenges involved in the drilling of horizontal and ERD wells

Possessing a range of advanced features that include our proprietary M.A.P technology, delivering unlimited and on-demand activations, coupled with angled nozzles constitute a fresh approach to cuttings removal, it is one more example of OILSCO ideas at work – to support your operation.

Located in the bottom hole assembly above flow restricting components such as MWD, LWD and mud motors the HCT, activated by our Multiple Activation Piston technology, MAP, opens ports in the tool, on demand, as and when required to establish higher flow rates. The fluid is diverted into the annulus by means of angled nozzles which improve the hole cleaning process whilst limiting the scope for well bore erosion.

nx^g
NEXT GENERATION



The HCT: an innovative circulating tool that delivers truly effective hole cleaning.

As the drilling of horizontal and ERD wells becomes more prevalent – and the wells become increasingly complex – a fundamental challenge commonly arises: the efficient removal of cuttings from the tangent and horizontal sections, where they often settle out and form cuttings beds on the low side of the wellbore.

Efficient cuttings transport is one of the key design considerations for the drilling fluid in horizontal and ERD wells. That's because high flow rates are essential to generate the necessary annular velocities for hole cleaning in the high-angle and horizontal sections. The enhancements required to rig circulating systems to achieve these available rates are frequently compromised by the flow limitations of BHA elements, including MWD tools and mud motors. The hole cleaning capabilities are therefore similarly restricted.

That's where the OILSCO HCT comes into its own. A circulating tool that allows drilling fluid to bypass these potentially restrictive BHA components when and as required, it greatly increases the allowable fluid circulation rates and corresponding annular velocities – it delivers improved overall hole cleaning, on demand.

Unlimited and on-demand activations, angled nozzles and rapid deployment capabilities: the HCT is the ideal tool to deal with the challenges of effective hole cleaning in horizontal and ERD wells.

➤ THE H.C.T IS THE IDEAL TOOL FOR EFFECTIVE HOLE CLEANING IN HORIZONTAL AND ERD WELLS

Hole Cleaning Tool (H.C.T) Specifications

Tool Series No	Tool OD	Tool Length	No of Nozzles	Connection Size & Type	Max Operating Temperature
NXG-HCT-4750	4.75	112	2	NC38 / 3-1/2 API IF	210°C
NXG-HCT-6750	6.75	106	3	NC50 / 4-1/2 API IF	210°C
NXG-HCT-8250	8.25	106	3	6-5/8 API Reg	210°C
NXG-HCT-9500	9.5	106	4	7-5/8 API Reg	210°C

A NEXT-GENERATION SOLUTION THAT DELIVERS MORE.

Want more information on our Hole Cleaning Tool (H.C.T)?
Visit www.oilsco-tech.com or email us at info@oilsco-tech.com