StimJet™ Frac Port Inserts

PROVIDING PREDICTABLE FRACTURE LOCATIONS IN OPENHOLE HORIZONTAL WELLS

FEATURES

» Proven simplistic design
» Erodes to a diameter of .75-in. for maximum treatment area
» Flush mount design does not increase tool OD

BENEFITS

» Provides predictable fracture locations at the sleeve
» Eliminates near wellbore fracture tortuosity by preventing axial to transverse fracture transition
» Provides a more pronounced surface pressure response when the ball lands and sleeve shifts

OVERVIEW

StimJet™ frac port inserts are erodible jets that can be threaded into the exit ports of a RapidStage® or RapidShift® sleeve. StimJet ports combine the operational efficiency of a ball drop completion with the pinpoint fracturing of hydrajetting.

In an openhole application, the fracture can initiate anywhere along the wellbore from packer to packer depending on where the formation is the weakest. StimJet ports erode a tunnel into the formation to provide a primary fracture location opposite the sleeve in the wellbore. After the StimJet ports create a tunnel in the formation, the ports themselves then erode away removing the flow resistance and allowing the primary fracture to be pumped at the desired rate.

In traditional openhole applications with multistage frac sleeves, a transverse fracture must initiate as an axial fracture and then transition to the transverse direction. The tunnel created by the StimJet ports eliminate this transition and the resulting tortuosity.

StimJet ports also provide better surface pressure indication of sleeve actuation. When a ball lands and the sleeve shifts open, the only indication of this event is the pressure wave transmitted to the surface pressure transducer. The added flow resistance of the StimJet ports allow for a more pronounced pressure wave, increasing the probability of a visible pressure event.
Pressure response of sleeve shifting with StimJet™ ports.

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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