APPLICATION OVERVIEW

The BDMS system is a ball drop, sliding sleeve activation systems that allows for multiple frac stages to be isolation and simultaneously fractured. It can be used in either open hole or cemented completion applications. By incorporating the hydraulically actuated Launch sleeve in the first stage, time and safety risk are reduced as differential pressure opens the flow ports. Clustered stages may be opened as the ball engages and opens subsequent OPT and standard BDMS sleeves which all have the same ball seat diameter. Additional cluster stages may be opened and fractured by dropping progressively larger balls. The ports on the Multi-port sleeves are configured to ensure uniform frac flow across the cluster stage.

FEATURES & BENEFITS

- Capable for high temperature, high pressure, vertical, or horizontal applications
- Can be run as a tie back or incorporate a hanger packer
- Allows up to 10 OPT sleeves per stage, resulting in 11 individual fracture port segments within a “cluster” stage
- Enables “cluster” fracturing where large sections are fractured with less restrictions
- Expands the number of frac sites for traditional ball drop
- Multiple sleeves shifted with one ball reducing time and cost of completion
- Initiation of circulation is enabled by the hydraulically actuated Launch sleeve which eliminates the need for perforation gun on location
LAUNCH HYDRAULIC SLEEVE

For sizes: 3-1/2” to 5-1/2” Completions
Hydraulically Activated for First Zone Fracture
Field Adjustable Opening Pressure
Capable of High Temperature and High Pressure applications
Full Bore ID and Small OD for Easy Installation
Designed for Both Horizontal and Vertical Applications

BDMS SLEEVE

For sizes: 2-7/8” to 5-1/2” completions
Capable for High Temperature and High Pressure Applications
Designed for Cased or Open Hole Applications
Internal Locking Mechanism to Ensure the Sleeve Remains in the Open Position after Activating
Field Adjustable Setting Pressure
Drillable Ball Seat; Full Bore after Drill-out

OPT SLEEVE

Available in 4-1/2” and 5-1/2” Completion String
Capable for High Temperature and High Pressure Applications
Designed for Cased or Open Hole Applications
One Ball can Open Up to 10 Sleeves
Easily Mill Ball Seats
Fracture Ports are Designed to Ensure Uniform Flow during Stimulation

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