

The Gryphon Blue Cap Shoe Track System is a reliable, cost effective solution for achieving a maximum casing integrity test and initiating intervention-less communication with the reservoir in a cemented production string application, without the use of a toe valve or TCP. The system is a unique design that pairs the advantages of a wet shoe application with a shoe track system, compliant with integrity testing and hydraulic fracturing regulatory requirements. Components consist of top and bottom cement wiper plugs with integrated ball seats, latch-in profile landing collar and compatible float equipment. The shoe track can be shortened to reclaim lateral length by connecting the float components directly to each other, allowing for stimulation of more lateral acreage. Cementing operations are conducted as usual, launching top and bottom latch and seal wiper plugs as per procedure, while carefully monitoring fluid displacement. Once complete, a dissolvable ball is pumped to a seat integrated into the top wiper plug, allowing for the desired casing test to be obtained. After a short time, the ball dissolves completely and access to the well is regained allowing for first stage pumping operations to begin.

The Blue Cap system can be tailored to meet specific well applications and includes optional 5,000 or 10,000 psi (34 or 69 MPa) back pressure rated float equipment. As an added safeguard, each wiper plug is designed to be both a top or bottom plug, removing the risk of launching the incorrect plug.

### Features and Benefits

- Reduces shoe track length increasing total production zone
- Cost effective, alternative to TCP and toe initiation valves
- Ability to achieve a 15,000 psi (103 MPa) casing integrity test
- Eliminates issue of plugging off caused by poor wiping efficiency
- Fully customizable to meet a wide variety of applications
- Available for a wide variety of casing sizes and weights

