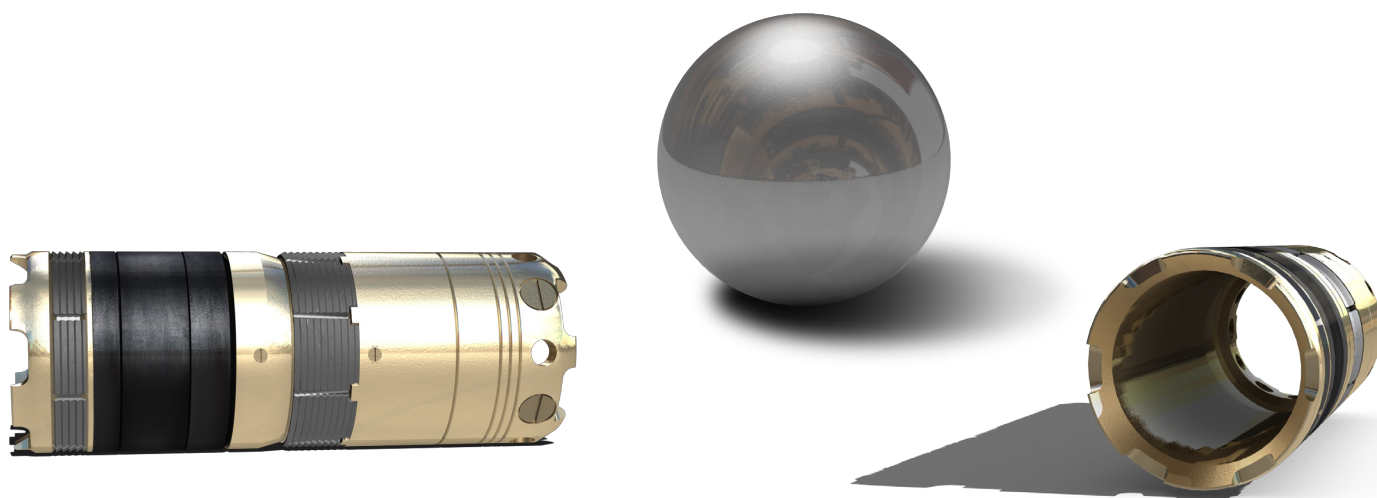


CASE STUDY

SET-A-SEAT™



PUMP-DOWN CASING BAFFLE SUCCESSFUL FIELD RUNS



WELLS 1 AND 2

Challenge

To verify the integrity of the 4.5", 11.6# Set-A-Seat™ and the F2 Fantom® dissolvable ball to run a successful 15 stage job.

Result

The liner top was set at approximately 76 degrees and the Set-A-Seat™ was successfully placed in the complicated geometry of the well.

WELL 3

Challenge

To verify the integrity of the 5.5", 17# Set-A-Seat™ and the F2 Fantom® dissolvable ball to run a successful 18 stage job in the Midland Basin, Wolfcamp A Horizontal.

Result

The Set-A-Seat™ tools were successfully pumped down with good ball action, breakdowns and isolation.

WELLS 4 AND 5

Challenge

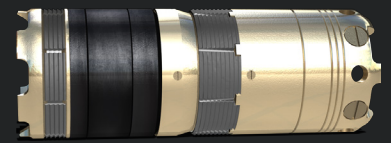
To verify the integrity of the 4.5", Avalon Shale, and the 5.5", First Bone Springs, Set-A-Seat™ tools and the F2 Fantom® dissolvable balls in the Delaware Basin.

Result

The Set-A-Seat™ and the F2 Fantom® dissolvable balls held between 3.3 and 4.5 hours total. Proppant placement and Set-A-Seat™ integrity with micro-seismic data were confirmed by operator.

CASE STUDY

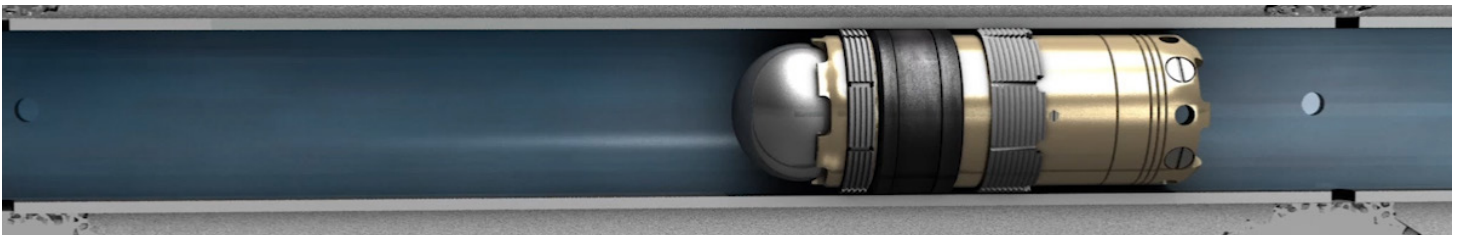
SET-A-SEAT™



TECHNOLOGY OVERVIEW

The Set-A-Seat™ tool is a patent-pending, revolutionary pump-down baffle that leaves the largest ID possible in the casing for optimum flowback. Like the conventional frac plug method, it is placed in the casing string using a conventional Baker or a Go Shorty Hydraulic Setting Tool on wireline. The tool is used with Peak's proprietary line of Fantom™ dissolvable frac balls and eliminates the need to mill out after treatment.

Once the ball is dissolved, the tapered front and back ends allow for conventional coiled tubing clean out tools, without fear of hanging up or having to switch to slim hole BHA configurations. The tool is made out of the same drillable, erosion-resistant material as our frac seats. This gives operators the opportunity to mill out if necessary because it is completely drillable.



WELLS 1 AND 2

Challenge

To verify the integrity of the Set-A-Seat™ and to run a successful full wellbore job.

Result

The Liner top was set at approximately 76 degrees and the Set-A-Seat™ was successfully placed in the complicated geometry of the well. The Set-A-Seat™ worked as designed during the full wellbore job.

WELL 3

Challenge

To verify the integrity of the Set-A-Seat™ and to run a successful full wellbore job.

Result

The Set-A-Seat™ tools were successfully pumped down and good ball action, breakdowns and isolation.

WELLS 4 AND 5

Challenge

To test and verify the integrity of the Set-A-Seat™ on wireline operations at 11,968 ft and 14,032 ft.

Result

The Set-A-Seat™ tools were pumped down the horizontal at a rate between 250 and 300 ft/min at 10 BPM/min. The highest treating pressures incurred were 7,920# and 8,517#. All tools were successful during the wireline and fracturing operations.