VersaFlex® Drop-off Liner System

FOR CHALLENGING LATERAL WELLS THAT REQUIRE A DROP-OFF LINER SOLUTION TO REACH TOTAL WELL DEPTH

OVERVIEW
Multilateral completions often call for drop-off liners to help maximize reservoir contact. In these applications, having a robust solution for deploying additional liners is essential to getting the most out of each lateral as well as minimizing risk. The VersaFlex® Drop-off liner system safely and reliably deploys the liner into the openhole lateral and through a milled window, leaving an upper polished bore that enables a tieback to the upper liner section. This allows operators to reach total well depth, while minimizing risks during liner deployment and drop-off operations.

This integral system consists of an upper tieback receptacle (TBR) and setting sleeve, with no moving parts, which helps eliminate costly tool failures found in other systems. Tieback to the surface for stimulation or completion activities may be required after the liner is dropped off.

The VersaFlex liner system is known globally for extremely reliable expandable liner hanger solutions, laying the foundation for a complete line of drop-off liner systems. The VersaFlex Drop-off liner system uses the same proven running tool design as its parent system and with the same unmatched durability and reliability.

HOW IT WORKS
The VersaFlex Drop-off running tool, in combination with the Drop-off liner system, supports liner deployment with standard wash and ream capabilities. The system enables tool release at high angles by eliminating compressive loads or rotation to disengage. Prior to release, its rotation and reciprocation capability allows for the best possible cement placement and bond when required.

APPLICATIONS
» Multilaterals
» Cemented or non-cemented liners
» Lateral fracture stimulation treatments
» Surface tieback

BENEFITS
Drop-off Tool
» Ball/flapper release
» Wash and ream capability during deployment
» Rotation and reciprocation during cementing
» Contingency release feature

Drop-off Liner
» Polished upper sealbore
» Withstands high circulating rates
» No external moving parts

CAPEX
» Reduces rig time
**VersaFlex® Drop-off Liner System Specifications**

<table>
<thead>
<tr>
<th>Drop-off Running Tool</th>
<th>Set Type</th>
<th>TBR and Setting Sleeve Configuration</th>
<th>Liner Size (in.)</th>
<th>Hanger Size (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard</td>
<td>Ball</td>
<td>VersaFlex Standard</td>
<td>4 1/2; 5</td>
<td>7</td>
</tr>
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<td>VersaFlex Standard</td>
<td></td>
<td>VersaFlex Standard</td>
<td>5 1/2</td>
<td>7</td>
</tr>
<tr>
<td>High-Torque/Breech Lock</td>
<td>Flapper/Ball</td>
<td>VersaFlex Standard/Breech Lock</td>
<td>7; 7 5/8</td>
<td>9 5/8; 9 7/8</td>
</tr>
</tbody>
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