APEX DISSOLVABLE FRAC PLUG | FEATURES & SPECS

- Anti-Preset Load Transfer Built into Robust Design
- Accurate Dissolution Times Based on Salinity and Temperature Variables
- In 0.5% KCl and 200°F, the APEX Frac Plug will Dissolve in 3.5 Days
- No Intervening Required to Remove, Saving Rig Time and Cost
- Sets with Standard Baker 10 or Baker 20 Setting Tool
- Large Bore Size – Resulting in Higher Flow Back and Faster Dissolution
- Compact Tool Length of 8" Results in Faster Dissolution and Less Material
- Swage-Style Design, Higher Differential Results in Higher Packoff

<table>
<thead>
<tr>
<th>TOOL SIZE (in)</th>
<th>CASING WEIGHT RANGE (ppf)</th>
<th>MAX TOOL OD (in)</th>
<th>MIN TOOL ID (in)</th>
<th>DIFFERENTIAL RATING</th>
<th>BALL SIZE (in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.500&quot;</td>
<td>11.6</td>
<td>3.750&quot;</td>
<td>1.170&quot;</td>
<td>10,000 psi</td>
<td>2.750&quot;</td>
</tr>
<tr>
<td></td>
<td>13.5</td>
<td>3.670&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.500&quot;</td>
<td>17 - 20</td>
<td>4.570&quot;</td>
<td>1.790&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20 - 23</td>
<td>4.375&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>26.8</td>
<td>4.300&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APEX DISSOLVABLE FRAC PLUG | OVERVIEW & BENEFITS

WHEN YOU NEED A RELIABLE AND EFFICIENT ZONAL ISOLATION, CHOOSE THE APEX FRAC PLUG

The APEX Dissolvable Frac Plug provides a solution to the required zonal isolation in extended laterals, where traditional composite plugs can be hard or unfeasible to mill out.

The APEX Dissolvable Frac Plug offers the same benefits of a traditional composite frac plug in Plug and Perf operations, but does not require the intervention process to remove the plug.

The plug, including the rubber packing element, dissolves in the presence of wellbore fluids. This alleviates the concerns, or inability to, of milling out composites at the toe of the extended laterals and reducing fluid costs trying to bring mill-up returns back to surface.

Note that the rubber O-ring is entirely optional as the plug sets perfectly without it. However, the ring can be provided as means of secondary reassurance for the operator.

THE APEX DISSOLVABLE PLUG HAS PASSED QUALIFICATION TESTING

The APEX plug was first qualified on a 4.500" (11.6 ppf) dissolvable frac plug, and then on a 5.500" (20 ppf). Both of the dissolvable frac plugs passed qualification testing of ≥ 10,000 psi at ≥ 250°F for a minimum of 1 hour with less than 1% leak per fifteen minutes of hold.

FIELD-PROVEN: THE APEX DISSOLVABLE FRAC PLUG HAS BEEN SUCCESSFULLY RUN AND SET HUNDREDS OF TIMES

- The 4.500" /13.5ppf APEX Dissolvable Frac Plug has had 250 successful runs
- The 5.500" /20 ppf APEX Dissolvable Frac Plug has had 455 successful runs

All of the testing and running records are available upon request.