Obsidian® Bridge Plug

ENHANCED DURABILITY FOR RELIABLE ISOLATION

OVERVIEW

The Obsidian® bridge plug has the familiar features and reliability of the field-proven Obsidian frac plugs. Leading the industry in drillability, the Obsidian bridge plugs have operation limits up to 250°F (121°C) and 10,000 psi (68.95 MPa) differential pressure.

The Obsidian bridge plug is designed to isolate perforated intervals or portions of a wellbore. The unique material and ease of drilling makes the Obsidian bridge plug ideal for horizontal applications.

To enhance reliability in high-debris or horizontal applications, these tools are equipped with stronger slip bands and the slips are attached to the mandrel with shearable composite pins.

FEATURES AND BENEFITS

» No ferrous metal content
» Isolates a lower zone during squeeze cementing operations on land-based or offshore rigs, in vertical or deviated wells
» Functions as a bridge plug in multizone stimulation treatments
» Saves rig time and reduces casing damage caused by long drillout processes
» Drills out with conventional tricone, PDC, or with junk-mill bits
» Top drilling

Obsidian® Bridge Plug Specifications

<table>
<thead>
<tr>
<th>Casing Size in. (cm)</th>
<th>Max Casing ID in. (cm)</th>
<th>Min Casing ID in. (cm.)</th>
<th>Max Tool OD in. (cm)</th>
<th>Tool Length in. (cm)</th>
<th>Pressure Rating psi (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2 (11.43)</td>
<td>4.000 (10.16)</td>
<td>3.920 (9.96)</td>
<td>3.66 (9.30)</td>
<td>28.93 (73.48)</td>
<td>10,000 (68.95) above 6,000 (41.37) below</td>
</tr>
<tr>
<td>5 1/2 (13.97)</td>
<td>4.670 (11.86)</td>
<td>4.376 (11.11)</td>
<td>4.15 (10.54)</td>
<td>31.07 (78.92)</td>
<td>10,000 (68.95) above 5,000 (34.47) below</td>
</tr>
<tr>
<td>5 1/2 (13.97)</td>
<td>4.892 (12.43)</td>
<td>14.670 (11.86)</td>
<td>4.37 (11.10)</td>
<td>30.36 (77.11)</td>
<td>10,000 (68.95) above 5,000 (34.47) below</td>
</tr>
</tbody>
</table>

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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