

Business:
NOBEL UPSTREAM

COMPOSITE VS. DISSOLVABLE FRACTURE PLUGS





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Fracture plugs are often used prior to the process of hydraulic fracturing to facilitate the carrying out of cluster perforating operations in the wellbore. There are two main types of fracture plugs: composite and dissolvable.

COMPOSITE FRACTURE PLUGS

Composite fracture plugs are also referred to as standard frac plugs and have been in use for about 30 years. Composite plugs can be made from a variety of materials such as tungsten and cast iron. A composite fracture plug needs to be milled after the fracture but is low-cost and has a proven track record for generating improvements in drill-out times, pumpdown speeds and use of water.

HALLIBURTON HAS RECENTLY RELEASED A NEW GENERATION DISSOLVABLE FRACTURE PLUG, THE ILLUSION[®] SPIRE.



DISSOLVABLE FRACTURE PLUGS

Dissolvable fracture plugs do not need to be milled after fracture; therefore, many of the risks and

costs associated with this process are eliminated. These plugs are manufactured using materials including advanced rubbers and metals that will fully dissolve based on salinity and temperature.



YOU CAN LEARN MORE ABOUT THIS BY VISITING THE BLOG OF NOBEL UPSTREAM.