Horizon™ gravel is a new lightweight, resin-reinforced composite particle developed for use in sand-control applications where lighter particle densities improve proppant placement and packing efficiency.

For use in vertical, horizontal, deviated and “S” shaped wellbores, Horizon™ gravel has considerably lower specific gravity than sands or ceramics. Lower specific gravity provides reduced hydrostatics and allows completion fluids to transport particles farther into the wellbore. This reduces treating pressures (surface/downhole) and hydraulic horsepower requirements.

The deformable nature of Horizon particles minimizes or eliminates embedment into the formation. Particle deformability will also minimize or eliminate proppant flowback in fracpack completions, potentially eliminating the need for a screen.

Due to its lighter density, Horizon™ gravel has 38% greater volume, pound for pound, than sand or lightweight ceramics.

Horizon lightweight gravel is appropriate for several deepwater applications:

• Gravel pack completions where pressure constraints keep velocities down and settling becomes an issue
• Long deviated/horizontal wells where proppant transport to the toe is an issue (for example, completions with large screens or Swellpacker™ isolation system).
• For use in vertical, deviated, horizontal and “S” shaped wellbores.
• Screenless fracpack completions.

Horizon™ gravel is a trademark of Hexion Specialty Chemicals, Inc.

Horizon low density gravel provides buoyancy enhanced transport, lower pump rates, reduced friction pressure, and long lateral packing involving close radial clearance.
For more information on Horizon™ low-density, lightweight gravel, contact your local Halliburton representative or email sandcontrol@Halliburton.com.