Once thought impossible, a wireline retrievable AVE (similar to the EAV) system has been patented by Marathon and is exclusively sold and manufactured by Apergy. This nontraditional system allows for gas injection through an injection string below the packer similar to the EAV system, but offers the advantage of being wireline retrievable. The entire crossover flow adapter assembly and all gas lift valves above and below the packer are accessible and retrievable by wireline.
How it Works:

• Injected gas flows into the annulus, travels through a crossover flow adapter at the packer and into the injection string below
• When the deepest point of injection is obtained, the gas exits the injection string, mixes with the produced gas and fluid, and flows up the annular area
• Fluid and gas flows through the crossover flow adapter and into the production tubing to the surface

Typical AVE Applications:

• Any well with a horizontal or long perforated interval where a lift point is needed below the packer
• Wells where deep point of lift is desired; no limit to the depth this system can lift from
• When access below the packer for wireline or coiled tubing work is desired
• Long, perforated intervals with multiple co-mingled zones
• Pressure and temperature gauges can be set in mandrels below the packer and retrieved

Apergy – Gas Lift offers several advanced methods of gas lift designed to improve recovery from deep vertical wells and long horizontals with multiple zones. These include Annular Bypass Assembly (ABA), Enhanced Annular Velocity (EAV), Dip Tube, and the patented Marathon Oil® Annular Velocity Enhancement (AVE).

There are a number of variables to consider when evaluating the best solution for your specific application, including gas rates, liquid production and other well characteristics. Backed by more than 30 years of gas lift expertise, our trained production experts can help you select a gas lift system specifically for your needs.

For more information, please contact your local Apergy – Gas Lift sales and service representative or visit us online at www.apergy.com