The EAV method of gas lift utilizes tubing and gas lift valves above a packer and a selectively sized injection string with internally mounted gas lift valves below. Success of this system is dependent on the proper sizing of the tubing and injection string, ensuring adequate flow velocity can be maintained through the entire length of the well with compression available at the surface for injection gas.
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 fluids, and flows up the annular area
- Fluid and gas flows through the crossover flow adapter and into the production tubing to the surface
- Maintains adequate velocity of flow below the packer to ensure there are no fluid accumulations, heading or liquid loading

Typical EAV Applications:

- Any well with a horizontal or long perforated interval where a lift point is needed below the packer
- Well where deep point of lift is desired; no limit to the depth this system can lift from

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