



Xtra-Lift™ Extended-Perforation-Interval Gas-Lift System

Weatherford's *Xtra-Lift* extended-perforation-interval gas-lift system lowers the injection point below the packer in a gas-lift well to increase production rate. With the *Xtra-Lift* system in place, gas is injected down the annulus through a series of pressure-injection-operated gas-lift valves. As differential pressures permit, gas is transferred into the bypass packer and injected into the dead string. With PM-1/IM gas-lift mandrels and internally mounted gas-lift valves and checks in the dead string, the injection gas can be injected out into the area between the dead string and the casing wall. The *Xtra-Lift* gas-lift system enables all flow to occur around the tail string, with supplemental gas being supplied from the surface to increase volume to sufficient rates needed to lift the produced fluids. All produced fluids and injection gas enter the bottom of the bypass packer and return to the surface up the production tubing.

Applications

- Continuous-flow gas-lift wells
- Conventional wells with long perforated intervals
- Horizontal wells where lowering the injection point below packer is advantageous

Features, Advantages and Benefits

- Specialized packer design, along with tail string below packer with gas-lift valves, lowers the point of injection below the packer, increasing production.
- Customized gas-lift valve port sizes and pressure settings in tail string provides efficient use of injection gas, improving operational efficiency.
- By not repeatedly unloading fluid through gas-lift valves, the equipment life is prolonged, saving operating costs.
- The *Xtra-Lift* gas-lift system depletes the well to lower bottomhole pressure, improving economic pay-off.
- Specialized packer design, along with tail string below packer, with gas-lift valves with customized port sizes and pressure settings achieves a stable flow versus running the installation without a packer, enabling operational efficiency.



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