Bridge Manifold System

Unit Description:

The OSES Bridge Manifold was designed to increase efficiencies at the wellsite by decreasing rig up/down times as well as provide a safe means to connect the zipper manifold to the frac stack. The design allows the system to be lifted in one lift, instead of individual pieces, and the unique swivel accommodates height differentials during the rig up. The dual line allows for a smooth transition of frac fluid from the bridge to the wellhead while minimizing wash on equipment. The Extendable Spool was developed to use in conjunction with the zipper manifold to allow for proper spacing while utilizing the Bridge Manifold.

Specifications:

- **Working Pressure:** 15,000 psi maximum
- **Operating Vertical Bore:** 7 1/16” diameter
- **Operating Horizontal Bore:** 5 1/8” diameter
- **Maximum Flow Rate:** 120 bbl / min
- **Inlet:** 6 inlet ports (3” 1502, 4” 1502 or 4” 1002)
- **Extendable Spool:** up to 24” OF adjustment during rig up

Traditional zipper manifold with downlines and restraints

Advantages

- Reduction of 50-70 frac iron connections and subsequent restraints required
- Reduces clutter around the wellhead making for a safer work environment
- Zipper bridge can swivel in place to allow for less connections and shorter rig up times
- Can be installed in one lift
- Line weight supported equally on both sides of the wellhead, reducing overall stress during frac operations
- Reduction of repair related costs
- Reduction rig up times by 8-12 hours and overall efficiency during frac operations
- Patent pending extendable spool capable of 24” of adjustment to compensate for rig up variations

Zipper Bridge (no downlines required)