FORTRESS SPM

SIDE POCKET MANDREL

TIER 1

The Tier 1 Fortress SPM's are installed as integral components of the tubing string and provide the profile in which a Fortress Side Pocket Valve (SPV) is positioned and operating at.

The SPM is designed with a specialized profile pocket that allows for the insertion and retrieval of a gas lift valve while maintaining full drift access to lower tubulars. This flexibility permits rig-less intervention options for making modifications to the installed gas lift system.

With the use of dummy valves, SPM's may be installed prior to having the requirement of gas-assisted lift. The dummy valve isolates and bridges the flow ports of the SPM giving the pressure integrity to the entire tubing string. The dummy valves are then pulled and replaced with operational gas lift valves when required.

CURRENT SIZES

→ 60.3mm through 139.7mm (2.375" through 5.5")

STANDARD OFFERING

→ Full-bore drift ID
→ EP-2 coated
→ For 25.4mm (1") & 38.1mm (1.5") OD gas lift valves
→ J-55, L-80, P-110
→ API EUE threads
→ API certified

OPTIONS

→ Reduced ID
→ Slim-hole OD
→ Oval or round body
→ Chemical injection
→ Baked epoxy coating
→ Other materials upon request
→ Other connections as required

FEATURES & BENEFITS

→ Permits rig-less intervention to recover or replace gas lift valves saving time and money
→ Pocket profile is offset from the tubing bore maximizing production flow area
→ Full drift compatibility with tubing string allowing ease of access to lower tubulars
→ Uniformly heat-treated, pressure tested internally and externally, and drifted to API specifications prior-to leaving the manufacturing facility ensuring quality and functionality
→ Tool guard protection of the installed valve minimizing the risk of damage during intervention operations
→ Extensive run history providing assurance of installation success

APPLICATIONS

→ Artificially lifted production wells
→ Liquid loaded wells
→ High liquids content production
→ Liquid rich gas production
→ Oil wells
→ Vertical / Deviated / Horizontal