

## SMB-22 Multibowl Systems Buttweld Sub and CMH Hanger System

Installing and removing the BOP stack is a time consuming procedure performed each time a conventional head or spool is added during drilling operations. During BOP Removal, there is a potential for disaster either through a blowout or injury to the drilling crew. The compact SMB-22 Multibowl Wellhead System eliminates the need for one nipple up by landing multiple casing strings in one head.

The SMB-22 wellhead assembly is a full-bore design. The lower casing hanger is fluted to allow ample bypass for circulating mud and cement. The seal assembly, which lands on the flutes, also acts as a support for the upper hanger. A wide choice of tubing hanger designs are available for various service conditions.

Emergency suspension systems are available for the lower hanger.

The SS-L Buttweld Sub is a versatile wellhead system offering a flanged and non-flanged means of nipping up a diverter system. Conductor and surface casing can be run through the diverter, thus saving time (one less nipple down), money, and safety. Rig time is saved by utilizing the SM-E Mandrel Hanger for the surface casing, which allows for faster installation of a conventional wellhead, or multibowl system, because no welding is required. The SS-L Buttweld Sub System is flexible to most casing programs and offers emergency equipment options.

### Additional Features:

- Conductor hanger may be tested externally once landed
- Conductor hanger seals may be re-energized, if necessary
- Surface casing hanger may be landed prior to cementing, eliminating the need to reciprocate
- Annular seal for surface casing hanger may be run through the diverter, locked in place (flanged diverter head) and tested externally
- Annular seal for surface casing hanger may be re-energized, if necessary
- All running/retrieving tools run on casing

