CLAIMS

WHAT IS CLAIMED IS:

1. A subsea production system (101) for a well including:

a subsea production tree (110) including a vertical bore;

a tubing hanger (204) including a vertical production bore;

a tree cap (102) coupled to the production tree (110);

a production tubing (208) extended into the well and supported by the tubing hanger (204); and

a downhole equipment suspension system including:

a suspension head (106/302) supported directly or indirectly by the production tree (110) above and separately from the tubing hanger (204), the suspension head (106/302) configured to provide a primary pressure barrier;

an intermediate plug (304) distinct from the tree cap (102) and coupled to the suspension head (106/302), and configured to provide a secondary pressure barrier;

downhole equipment (210) inside the production tubing (208) below the tubing hanger (204); and

a suspension line (107) extending through the tubing hanger (204) vertical production bore and the production tree (110) vertical bore and configured to suspend the downhole equipment (210) from the suspension head (106).

2. The system of claim 1, wherein the production tree (110) is a vertical tree.

3. The system of claim 1, wherein the production tree (110) is a horizontal tree.