

14. A subterranean operation system, comprising:
a production tubing disposed in a wellbore; and
a high pressure ball valve coupled to the production tubing, the high pressure ball valve including:
- 5 an outer wall;
an inner wall disposed in the outer wall;
a tubing defined by an inner diameter of the inner wall;
an annulus defined by an outer diameter of the inner wall and an inner diameter of the outer wall;
- 10 a lower chamber formed in the annulus; and
a relief valve fluidically coupled to the lower chamber, the relief valve to control a pressure differential between a pressure in the lower chamber and a pressure in the tubing.
- 15 15. The subterranean operation system of claim 14, the high pressure ball valve further including sealing element preventing a fluid flow between the upper chamber and the lower chamber at the relief valve.
- 20 16. The subterranean operation system of claim 14, the high pressure ball valve further including a fluid disposed in the lower chamber.
17. The subterranean operation system of claim 16, wherein the fluid is a compressible fluid.
- 25 18. The subterranean operation system of claim 17, wherein the fluid is a silicone oil.
- 30 19. The subterranean operation system of claim 14, the high pressure ball valve further including an inlet fluidically coupling the tubing, the annulus, and the lower chamber.