Background: Our offshore fixed platform gas wells have the following casing configuration.

1. Tubing = 7 in.
2. Production casing = 10-3/4 in. ("A" annulus is 7 × 10-3/4)
5. Next casing = 24 in. ("D" annulus is 18-5/8 × 24. Please note that the 24 in. casing carries the landing base on which the above casing spools, tubing head, lower master valve block and X-mas Tree are installed. The landing base gives support to be casings and tubing above to withstand production stresses).
6. Next casing = 32 in.: ("E" annulus is 24 × 32. There is a valve installed on this annulus to allow venting of annulus pressure. The valve is below the landing base but on the main deck of the platform. A gauge can be installed for annulus pressure monitoring).
7. Next casing = 36 in.: ("F" annulus is 32 × 36. There is a valve installed on this annulus to allow venting of annulus pressure. The valve is also below the landing base but on the main deck of the platform. A gauge can be installed for annulus pressure monitoring.
8. Next casing is the 42 in. conductor that was driven until refusal into the seabed.

Question: Referring to Section 4 of RP 90 and the configuration provided above, which casing is considered to be the “last casing or production riser” when determining the maximum allowable wellhead pressure (MAWOP)?

The last casing or production riser refers to the outer casing of the outermost pressure-containing annulus, which in configuration provided would be the “F” annulus.