

CLAIMS

1. A system, comprising:
 - a modular riser gas handling system configured to couple to and be disposed vertically below a telescoping joint, wherein the modular riser gas handling system comprises:
 - a diverter assembly configured to couple to and divert a flow of material into and out of a riser; and
 - an annular blow out preventer (BOP) assembly configured to couple to the diverter assembly.
2. The system of claim 1, wherein the annular BOP assembly is disposed vertically above the diverter assembly.
3. The system of claim 1, wherein the annular BOP assembly couples to the telescoping joint.
4. The system of claim 1, wherein the riser gas handling system comprises a rotating control unit assembly configured to couple to the annular BOP assembly.
5. The system of claim 4, wherein the rotating control unit assembly is disposed vertically above the annular BOP assembly.
6. The system of claim 4, wherein the diverter assembly, the annular BOP assembly, and the rotating control unit assembly are removably stackable together.
7. The system of claim 1, wherein the diverter assembly comprises a multiport spool.

8. The system of claim 7, wherein the diverter assembly comprises a valve fluidly coupled to the multiport spool, and the valve is configured to block or divert the flow of material in and out of the riser.
9. The system of claim 8, wherein the diverter assembly comprises a gooseneck connector fluidly coupled to the valve, and the gooseneck connector is configured to couple to a drape hose.
10. The system of claim 9, wherein the diverter assembly includes a gooseneck support bracket that resists rotation of the gooseneck connector.
11. A system, comprising:
a modular riser gas handling system, comprising:
a rotating control unit assembly;
an annular BOP assembly; and
a diverter assembly, wherein the rotating control unit assembly, the annular BOP assembly, and the diverter assembly are removably stackable together.
12. The system of claim 11, wherein the rotating control unit assembly couples to and is vertically disposed above the annular BOP assembly.
13. The system of claim 11, wherein the annular BOP assembly couples to and is vertically disposed above the diverter assembly.
14. The system of claim 11, wherein the diverter assembly is configured to couple to a riser.
15. The system of claim 11, wherein the modular riser gas handling system is vertically disposed below a telescoping joint.

16. A system, comprising:
a modular riser gas handling system, comprising:
an annular BOP assembly; and
a diverter assembly, wherein the annular BOP assembly and the
diverter assembly couple together between a first connecting flange and a
second connecting flange.
17. The system of claim 16, wherein the first connecting flange couples to a
telescoping joint.
18. The system of claim 16, wherein the first connecting flange couples to a
rotating control unit assembly.
19. The system of claim 16, wherein the second connecting flange couples to
a riser.
20. The system of claim 16, wherein the diverter assembly comprises a
gooseneck connector, and the gooseneck connector couples to the annular BOP
assembly.

CLAIMS

1. A system, comprising:

a modular riser gas handling system configured to couple to and be disposed vertically below a telescoping joint, wherein the modular riser gas handling system comprises:

a diverter assembly comprising a upper diverter connector flange, a lower diverter connector flange and a number of diverter lines extending between the upper and lower diverter connector flanges, wherein the diverter assembly is configured to couple to and divert a flow of material into and out of a riser; and

an annular blow out preventer (BOP) assembly comprising an upper annular BOP connecting flange, a lower annular BOP connecting flange and a number of annular BOP lines extending between the upper and lower annular BOP connecting flanges;

wherein the lower annular BOP connecting flange and the upper diverter connecting flange are configured to be coupled together to couple together the diverter lines and the annular BOP lines, and so that the annular BOP assembly is disposed vertically above the diverter assembly.

2. The system of claim 1, wherein the annular BOP assembly couples to the telescoping joint.

3. The system of claim 1 or claim 2, wherein the riser gas handling system comprises a rotating control unit assembly configured to couple to the annular BOP assembly.

4. The system of claim 3, wherein the rotating control unit assembly is disposed vertically above the annular BOP assembly.

5. The system of claim 3 or claim 4, wherein the diverter assembly, the annular BOP assembly, and the rotating control unit assembly are removably stackable together.
6. The system of any of the preceding claims, wherein the diverter assembly comprises a multiport spool.
7. The system of claim 6, wherein the diverter assembly comprises a valve fluidly coupled to the multiport spool, and the valve is configured to block or divert the flow of material in and out of the riser.
8. The system of claim 7, wherein the diverter assembly comprises a gooseneck connector fluidly coupled to the valve, and the gooseneck connector is configured to couple to a drape hose.
9. The system of claim 8, wherein the diverter assembly includes a gooseneck support bracket that resists rotation of the gooseneck connector.
10. A modular riser gas handling system substantially as hereinbefore described having reference to any of the accompanying figures.