

XVI. BLOWOUT PREVENTERS, SUBSEA EQUIPMENT AND CONTROL EQUIPMENT

A. Diverter System:-

1. Regan KFDS diverter system with two (2) 12" outlets capable of containing 100 psi pressure and equipped with hydraulically operated seals. Diverter lines will be 12" with line blind/air-operated valves to divert well returns to lines that extend to the port and starboard.

The diverter is controlled by a hydraulic diverter control to supply hydraulic pressure to KFD bag, insert latch and riser support latch, all being controlled from the master control panel.

2. Thirty-inch (30") Cameron hydraulic pin connector with 20-3/4" x 2,000 psi No. 18 clamp hub with extra deep RX-73 ring groove.

B. 18-3/4" 10,000 psi WP blowout preventer stack enclosed in a four (4) post guide frame, arranged as shown in the schematic "Blowout Preventer Arrangement" inserted as "Figure 1" and consisting of the following:-

1. Riser adapter, 20" Vetco, MR4B box up x No. 16 clamp hub down with RX-73 ring groove.
2. Two (2) Vetco 20" nom. single ball flex joint, pressure balanced, 10 degrees maximum deflection, with No. 16 clamp hubs top and bottom, RX-73 stainless steel ring grooves and 18-3/4" I.D. replaceable wear bushings.
3. Riser connector, Cameron, 20-3/4" 2,000 psi collet connector with No. 16 clamp hub top with RX-73 ring groove.
4. Connector Mandrel, 20-3/4", 2,000 psi AX hub top and 18-3/4", 5,000 psi flange bottom, BX-163 ring groove.
5. Hydril, 18-3/4", 5,000 psi type "GL" dual annular blowout preventer trimmed for hydrogen sulphide service. 18-3/4" 5,000 psi 6BX studded top, BX-163 groove, and No. 27 clamp hub bottom BX-164 groove.
6. Cameron triple type "U" ram type 18-3/4", 10,000 psi blowout preventer trimmed for hydrogen sulphide service with No. 27 clamp hubs top and bottom and two (2) 3-1/8" 10,000 psi No. 5 clamp hub outlets below each ram. Upper ram equipped with shear rams and lower two with 5" pipe and 3-1/2" to 7-5/8" variable pipe rams.