COMPONENT SPECIFICATIONS Type RRA BOP Stack

- 1. Flanged hydraulically controlled gate valve -- 3" minimum nominal diameter -- same working pressure as BOP stack.
- 2. Flanged plug gate valve -- 3" minimum nominal diameter -- same working pressure as BOP stack.
- 3. BOP outlets must be 2" minimum nominal diameter for kill line and 3" minimum diameter for choke line.
- 4. Flanged plug or gate valve -- 2" minimum nominal diameter -- same working pressure as BOP stack.
- 5. Flanged cross or two (2) flanged tees.
- 6. Any BOP side outlet flange, located below the bottom ram, must be equipped with a blind flange.

NOTE: Each BOP stack must have separate side outlet connections for kill and choke lines, unless specific approval for a single side-outlet is obtained from the Exxon Division Drilling Manager prior to rig-up. Such approval will not be granted unless the equipment arrangement conforms to the specifications shown on pages 14 and 15 of this Section.

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