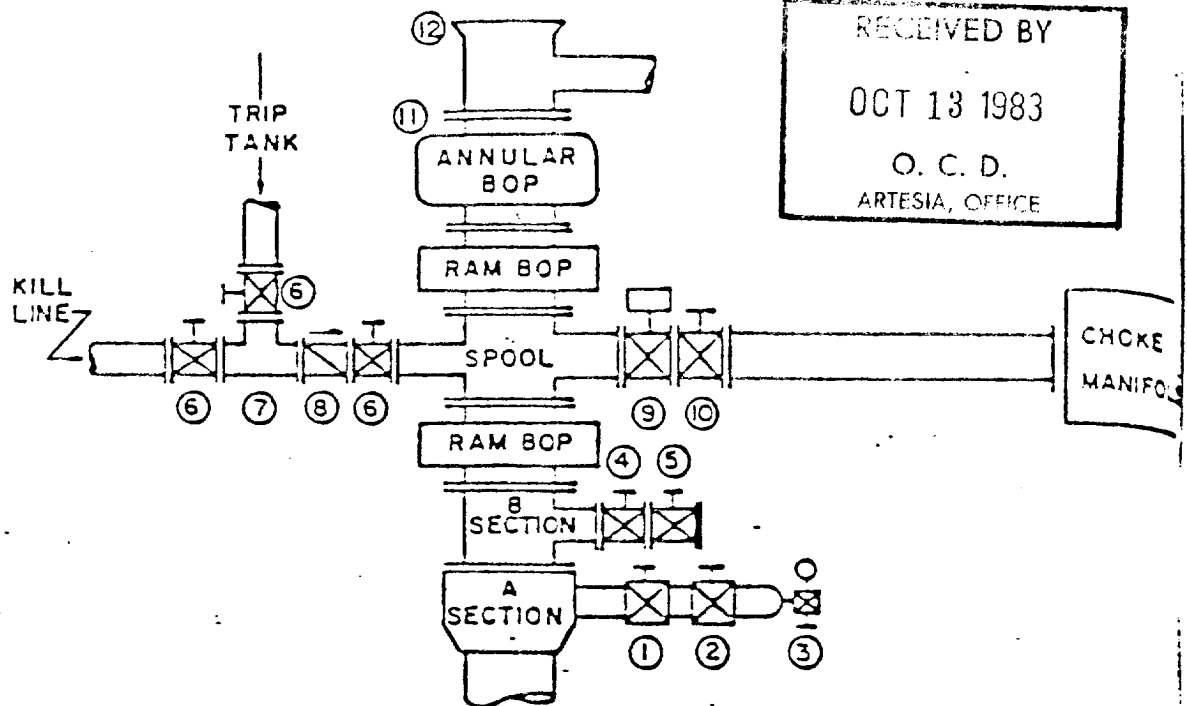


FIGURE 3

REQUIRED ARRANGEMENT OF A THREE-BOP STACK



Component Specifications

1. Screwed Plug or Gate Valve--2" size provided with A-section
2. Screwed Plug Valve--2" size
3. Screwed Tapped Bullplug with Needle Valve and Pressure Gauge
4. Flanged Plug or Gate Valve--2" size provided with wellhead
5. Flanged Plug Valve--2" size with companion flange to protect valve flange face
6. Flanged Plug Valve--2" minimum size--HOWCO "Lo-Torc" or equivalent
7. Flanged Tee--2" minimum size
8. Flanged Flapper Type Check Valve--2" minimum size
9. Flanged Hydraulically Controlled Gate Valve--4" minimum size
10. Flanged Plug Valve--4" minimum size--HOWCO "Lo-Torc" or equivalent
11. Top of Annular Preventer must be equipped with an API Flange Ring Gasket. All flange studs must be in place or holes filled in with screw type plugs.
12. The I.D. of the Bell Nipple must not be less than the minimum I.D. of the BOP stack.