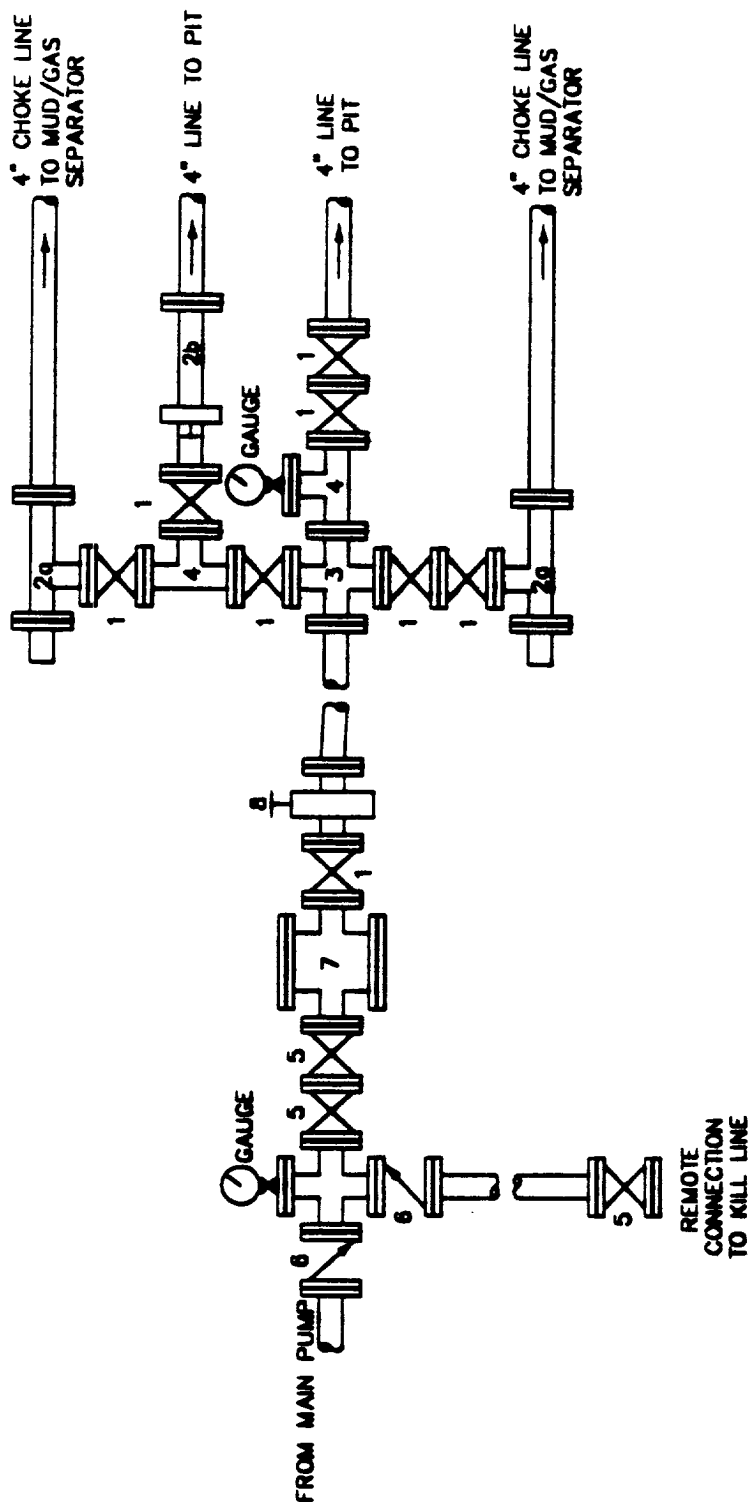


CHOKES MANIFOLD SCHEMATIC



LEGEND

1. 4" FLANGED ALL STEEL VALVE MUST BE EITHER CAMERON "F", HALLIBURTON LOW TORQUE, OR SHAFFER FLO-SEAL.
- 2a. 2 9/16" REMOTE OPERATED FLANGED CHOKES, FULL OPENING & EQUIPPED W/HARD TRIM.
- 2b. 2 9/16" MANUAL OPERATED FLANGED CHOKES, FULL OPENING & EQUIPPED W/HARD TRIM.
3. 4" x 4" FLANGED STEEL CROSS.
4. 4" FLANGED STEEL TEE.
5. 2" FLANGED ALL STEEL VALVE (TYPE AS IN #1).
6. 2" FLANGED CHECK VALVE.
7. DRILLING SPOOL W/2" x 4" FLANGED STEEL OUTLET.
8. 4" PRESSURE OPERATED GATE VALVE.

NOTES

CHOKES MANIFOLD MAY BE LOCATED IN ANY CONVENIENT POSITION. USE ALL STEEL FITTINGS THROUGHOUT. MAKE 90° TURNS WITH BULL PLUGGED TEES ONLY. NO FIELD WELDING WILL BE PERMITTED ON ANY OF THE COMPONENTS OF THE CHOKES MANIFOLD AND RELATED EQUIPMENT UPSTREAM OF THE CHOKES. THE CHOKES SPOOL AND ALL LINES AND FITTINGS MUST BE AT LEAST EQUIVALENT TO THE TEST PRESSURE OF THE PREVENTERS REQUIRED. INDEPENDENT CLOSING CONTROL UNIT WITH CLEARLY MARKED CONTROLS TO BE LOCATED ON DERRICK FLOOR NEAR DRILLER'S POSITION.