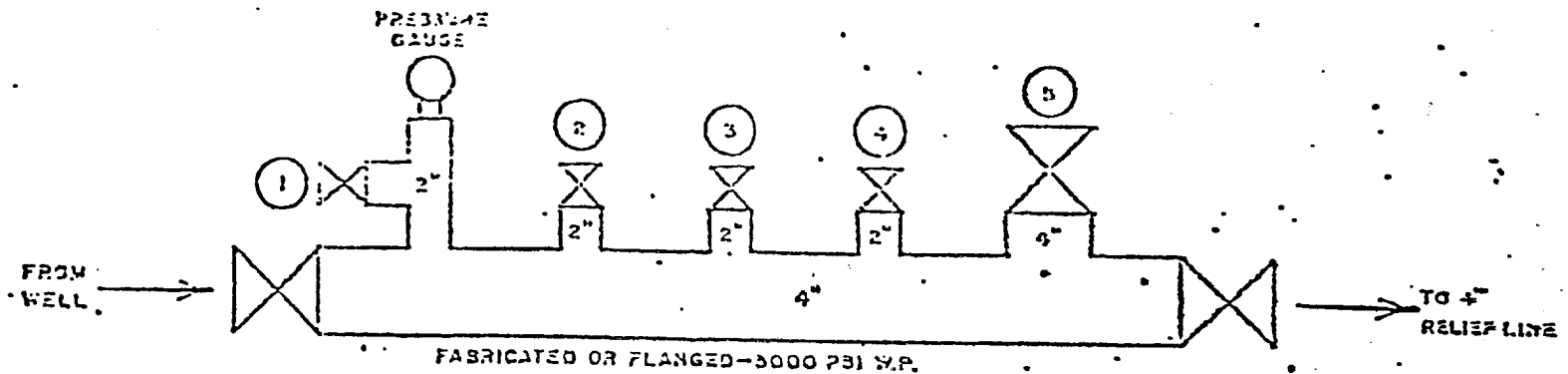


CHOKE MANIFOLD



- ① FROM LOWER SPOOL OR LOWER BOP - TO BE TIED-IN AFTER 10 3/4" OD CSG RUN.
- ② FOR SWACO CHOKE - TO BE TIED-IN BEFORE REACHING 11,500' (WOLF CAMP).
- ③ FOR ADJUSTABLE CHOKE - TO BE TIED-IN AFTER 10 3/4" OD CASING RUN.
- ④ FOR POSITIVE CHOKE - TO BE TIED-IN AFTER 10 3/4" OD CSG RUN.
- ⑤ FOR BYPASS - TO BE TIED-IN BEFORE REACHING 11,500' (WOLF CAMP)
- ② ③ ④ WILL GO TO MUD GAS SEPARATOR WHEN INSTALLED

NOTE: ALTERNATE MANIFOLD ARRANGEMENTS WILL BE CONSIDERED