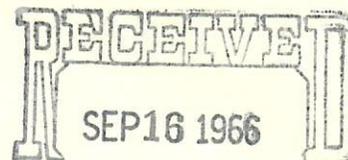




CHEVRON OIL COMPANY
WESTERN DIVISION



OIL & GAS
CONSERVATION COMMISSION

GENERAL INSTRUCTIONS AND REQUIREMENTS FOR BLOWOUT PREVENTION EQUIPMENT

I. Acceptable Accumulator Units.

- A. For 10" and larger Class A and B BOP units and 8" Class A BOP units.
 - 1. Hydril 80 gallon
 - 2. Payne 80 gallon (4-20 gallon units manifolded together)
 - 3. Koomey 88 gallon (4-22 gallon units manifolded together)
- B. For 6" (Class A and B) and 8" (Class B) BOP units.
 - 1. Hydril 40 gallon
 - 2. Payne 40 gallon (2-20 gallon units manifolded together)
 - 3. Koomey 44 gallon (2-22 gallon units manifolded together)
- C. A valve shall be provided for introduction of emergency energy (such as Baker hand pump) from an exterior source other than the accumulator. A check valve shall be installed to prevent flow from an exterior source to the accumulator unit.

II. Control Units

- A. Consist of a driller's floor control and from a remote location a minimum of 100 feet from well bore. All valves to be clearly labeled to insure proper operation and to eliminate the possibility of confusion.
- B. Hydraulic lines shall be steel and suitable for fluid or gas at operating pressures of 1500 psi.
- C. Hand wheels for pipe and blank rams shall be clearly labeled and in place at all times with clear access. A barricade shall be installed for the protection of the operator at these manual controls.

III. Preventor Units

- A. Series 900 GK Hydril and/or Series 900 hydraulic control gates (complete shut off and drill pipe rams) as shown on accompanying drawing will normally be required. However, Series 1500 equipment may be required on wells in high pressure areas.
- B. Drilling nipple and BOPs to have sufficient ID to pass hanger for next string of casing to be set.
- C. New API BX ring gaskets to be used each time a flange is assembled.
- D. Flange bolts on BOPs will be tightened after pressure tests and once a week on a routine basis. Casing head bolts to be tightened daily.
- E. All testing will be done with clear water.
- F. Preventors are to be well braced.
- G. A full opening safety valve with a drill pipe and drill collar connection shall be ready for use of derrick floor at all times. A Kelly cock of same or higher pressure rating than that of the preventors is also required.
- H. Prior to running oil string drill pipe rams will be changed to accommodate size of casing to be run.
- I. Casing head shall be installed so kill line valves will be under BOPs for protection. Kill line valves to be kept closed after pressure tests and quick connection union disconnected. Fill up line is to have a quick union connection so that the connection can be moved to the kill line when required. All of these lines and connections to equal or exceed the working pressure of the BOPs.

IV. Miscellaneous

- A. Drill pipe rubber, in good condition, to be used on Kelly saver sub at all times.
- B. A full opening valve in the stand pipe with a 2" valve above are required. These valves are to have the same pressure rating as the BOPs.
- C. The valves in "B", the drill pipe safety valve, the Kelly cock and the rotary hose are all to be tested to the same pressure as the BOPs.

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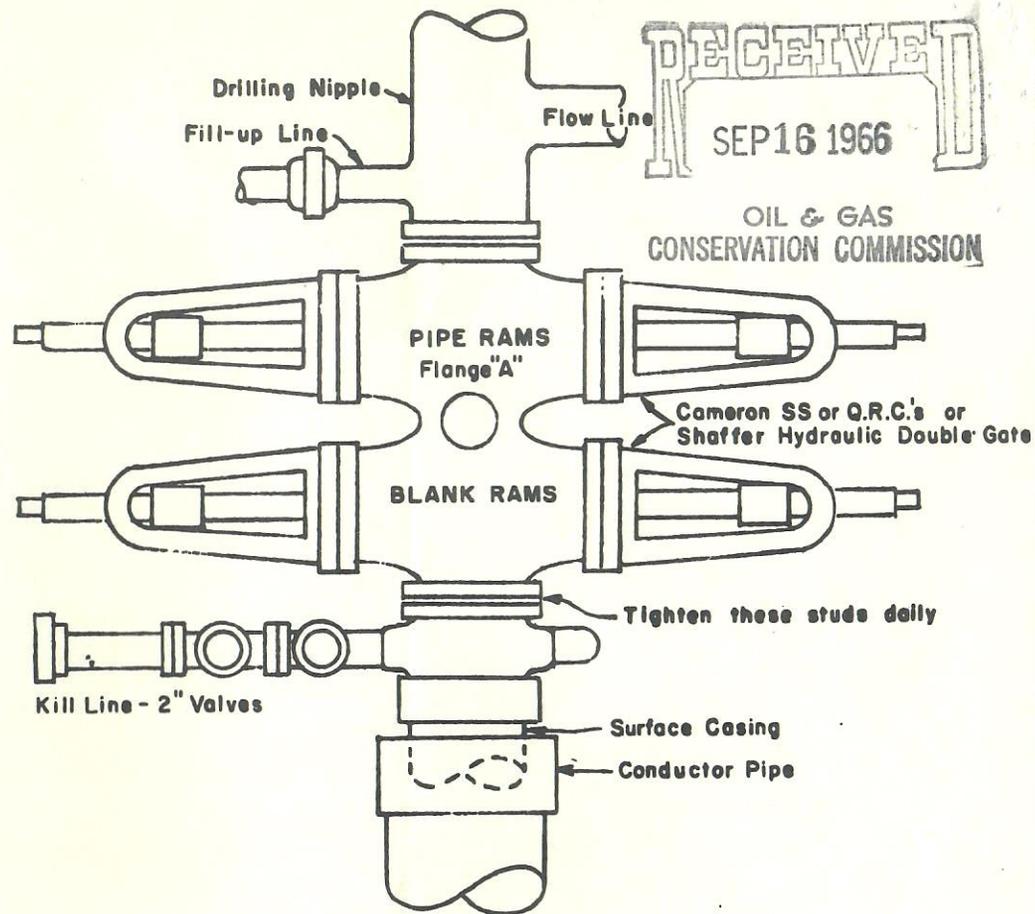
July 1965

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CLASS B B.O.P. HOOKUP

GENERAL INSTRUCTIONS

1. BOP'S ARE TO BE WELL BRACED AND HAND CONTROLS TO BE EXTENDED CLEAR OF SUBSTRUCTURE AND RAMPS.
2. CHECK WITH COMPANY REPRESENTATIVE FOR DIRECTION TO INSTALL OUTLET VALVES ON CASING AND TUBING HEADS.
3. ALL VALVES WILL BE OF SAME TEST PRESSURE CAPACITY AS BOP'S.
4. COMPARE MINIMUM ID OF BOP EQUIPMENT AND DRILLING NIPPLE WITH OD OF CASING HANGERS TO INSURE HANGERS CAN BE DROPPED.
5. FLANGED CONNECTIONS AS SHOWN.
6. NEW METAL RINGS ARE TO BE USED EACH TIME A FLANGE IS ASSEMBLED.
7. A KELLY COCK WILL BE USED AND A FULL OPENING STABBING VALVE WITH DRILL PIPE CONNECTIONS WILL BE ON FLOOR AT ALL TIMES.
8. ALL PREVENTERS ARE TO BE EQUIPPED WITH AN ACCUMULATOR OF SUFFICIENT CAPACITY TO OPERATE BOTH PREVENTERS. STEEL LINES WILL BE USED FROM ACCUMULATOR TO OPERATING UNITS OF BOP'S.
9. MODIFICATION OF HOOK-UP MUST BE APPROVED IN WRITING ON TOUR REPORTS BY COMPANY REPRESENTATIVE.
10. IF POSSIBLE, INSTALL HEAD SO KILL LINE VALVES WILL BE UNDER BOP'S FOR PROTECTION. KILL LINE VALVES TO BE KEPT CLOSED AFTER BOP'S TESTED AND THE QUICK UNION DISCONNECTED.
11. THE FILL UP LINE IS TO HAVE A QUICK UNION CONNECTION SO THAT THE CONNECTION CAN BE MOVED TO THE KILL LINE IN CASE OF EMERGENCY. WHEN USED THIS WAY, THE LINE FROM MUD PUMP MUST BE HIGH PRESSURE.
12. ALL BOLTS IN BOP HOOKUP TO BE TIGHTENED ONCE A WEEK. CASING HEAD BOLTS TO BE TIGHTENED DAILY.
13. BOP'S, STANDPIPE VALVES, ROTARY HOSE, KELLY COCK AND STABBING VALVE TO BE TESTED TO THE RATED WORKING PRESSURE OF THE BOP'S AT THE TIME OF INSTALLATION. BOP'S TO BE TESTED WEEKLY THEREAFTER UTILIZING GRAY TEST PLUG.



PLAN VIEW - CHOKE MANIFOLD

