

2. During the test the 1/2 inch pump on the B.O.P. closing units will be turned off. This leaves only the energy stored within the accumulator available to close the preventers.
3. All valves will be closed simultaneously with time in closing to be about 20 seconds.
4. Pressure drop on the accumulator system should be about 300 psi.
5. If this test fails, accumulator may need: additional accumulator bottles, larger hydraulic lines, replacement of bladders, or recharging of bottles.

II. Education and Correct Procedure:

- A. Each member of the drilling crew will know what each valve of the entire B.O.P. system is for and how to operate them.
- B. Mud weight, salt content, and gas content will be checked regularly during drilling operations.
 1. Amount of mud in bbls. 2 inch of mud in tanks will be calculated.
 2. Markers will be installed on mud tanks to indicate volume of mud while drilling or tripping pipe.
 3. Calculations will be made while drilling to insure that water, chemicals, and weight added to mud corresponds to increase in mud volume.
 4. Calculations of hole fill-up will be made to insure hole is taking proper volume of mud during trips and this should be measured and recorded.
 5. Records of pump strokes during pipe fill-up should be recorded.
- C. Pit drills will be held weekly by crew members while drilling. Procedure outline in case of a threatened blow-out.
 1. Driller:

While picking up kelly to clear kelly lashing, sound warning whistle (four short blasts or other prearranged signal). Shut off mud pump, open choke valve, close pipe B.O.P.'s, see that motorman has closed choke line, record drill pipe pressure, record casing pressure, record time, and record volume gain. Open the well on choke (determined by the rate of speed of the pumps). Hold casing pressure constant until the drill pipe is displaced with the kill weight mud. Then hold the drill pipe pressure constant until the kick is circulated out. Note and record: the time, strokes/gain, GPM and drill pipe pressure. The GPM and drill pipe pressure should be held constant by regulating the choke on the casing manifold.
 2. Derrickman:

Upon hearing the warning blows, check the volume gain and report this to driller. When pump is again started, make continuous checks of mud