

- g. Close both mast locks.

## 1-6. AIR COMPRESSOR OPERATION

- a. Position controls as indicated in paragraph 1-2.
- b. Open the drain cock on the bottom of the compressor sump tank and drain any accumulation of moisture and sediment. When draining is completed, close the valve.
- c. Open the drain valve on the bottom of the air receiving tank and bleed all pressure from the tank. When pressure is depleted, close the valve.

### NOTE

Refer to paragraph 1-2 for identification and explanation of control settings when performing the following procedures.

- d. Set the compressor shut-off valve (61, Figure 12), and the two 3-way valves (62 and 63) for single or 2-stage operation, depending on the compressor output desired.
- e. Make sure the mast line hose is securely connected at the hammer union above the air control valve (34).
- f. Start and operate the engine (see paragraph 1-2.)
- g. Engage the power take-off control lever (58).
- h. Move the air compressor clutch control lever (17) to the IN position and buildup air pressure. Observe the air pressure gauge (57).
- i. Move the air control valve (34) to the open position to apply air to the drilling operation.
- j. To stop operation of the air compressor, move the air compressor clutch control lever (17) to the OUT position.

## 1-7. MUD PUMP OPERATION

- a. Position controls as indicated in paragraph 1-2.
- b. Check to be sure that the drain plugs on the bottom of the mud pump are installed.

### NOTE

Refer to paragraph 1-2 for identification and explanation