

1-10. WATER INJECTION SYSTEM OPERATION

- a. Close the drain valve on the bottom of the water tank.
- b. Close the drain cock in the water supply line between the water tank and the water injection pump.
- c. Close both drain cocks on the water injection pump.
- d. Close the drain cock in the piping below the water injection pump flow relief valve.
- e. Fill the water tank.

NOTE

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

- f. Close the water injection pump flow relief valve (55, Figure 1-2) —
- g. Perform the following procedures to drill with air and water injection.

CAUTION

Make sure the hydraulic suction and return line valves (67 and 68) are open. If the machine is operated with any of these valves closed, the hydraulic pump will be damaged.

- (1) Position the controls as indicated in paragraph 1-2.
- (2) Place the auxiliary transmission shift levers (65) in the desired position.
- (3) Refer to paragraph 1-6 and start the air compressor.
- (4) Open the water injection shutoff valve (32).
- (5) Open the air control valve (34).
- (6) Operate the water injection control lever (19) to apply water injection to the drilling operation.

NOTE

With the water injection control lever (19) in the open position, adjust the amount of water injection desired by adjusting the water injection pump speed