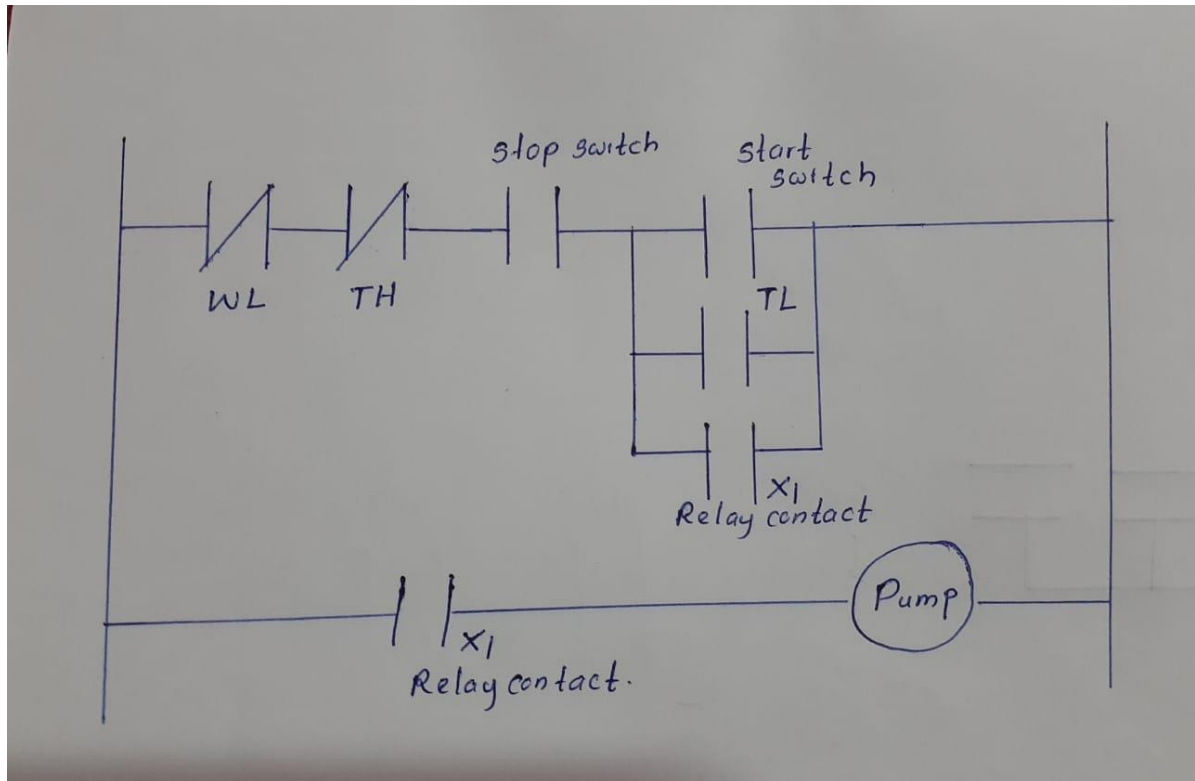


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## **Pump Automation Report**

### **Design diagrams**



When well is low and tank is high, the pump will active. Then pump can be start by pushing a push button but if the tank level is below low, it will start automatically. When stop button is pressed the pump will stop.

### **Assumption**

- The WL is negligible.
- The pump will stop, just the stop push button pressed

### **Fail Safes**

- WL sensor will deactivate as soon as the water level get reduce below the indicated level because the floater sensor work only when its overflown.
- Well Low sensor is there to stop the pump as soon as the water level reduced below the well low, if not it will harm the pump .