LIT-100 & common relays configured to latch ON LAG PUMP MOTOR STARTER 120vac Neutral OFF HAND AUTO 120vac coil N/O N/O LAG PUMP **Latch Control** 120vac HOT HAND SWITCH (120vac HOT) **♣** C **COMMON RELAY** N/C N/C **CONTACTS: DPDT** *120vac coil* RELAY 1 & 2 NOTE: **COMMON RELAY 2** RELAY CONTACTS MUST BE CAPABLE OF HANDLING THE INDUCTIVE LOAD Two typical DPDT relays configured FROM THE PUMP MOTOR STARTER COIL. to Latch ON once engergized. Relays 120vac Neutral LEAD PUMP will de-energize once level in well falls **MOTOR STARTER** below FOGRod contact #1 causing LIT-100 to de-energize Level Relay #1 120vac Neutral which disconnects 'Latch Control' OFF from relay coil circuit. HAND \ AUTO √120vac coil N/O N/O LEAD PUMP 120vac HOT **Latch Control** HAND SWITCH (120vac HOT) N/C N/C **COMMON RELAY CONTACTS: DPDT** *120vac coil* **COMMON RELAY 1** 120vac Neutral 120vac HOT SEQUENCIAL STATE COMMON COMMON OF STOP/LEAD/LAG LAG PUMP LEAD PUMP **Latch Control** RELAY 1 RELAY 2 FOGROD CONTACTS (120vac HOT) PUMPS STOP LAG PUMP LEAD PUMP Not Energized Not Energized 1-dry, 5-dry, 7-dry OFF OFF **LIT-100** 1-wet, 5-dry, 7-dry Not Energized Not Energized OFF OFF OFF LEVEL 1-wet, 5-wet, 7-dry Energized Not Energized ON **LEVEL LEVEL RELAY 1 RELAY 5 RELAY 7** 1-wet, 5-wet, 7-wet Energized Energized ON ON (Typical) (Typical) (Typical) 1-wet, 5-wet, 7-dry ON ON Energized Energized Level Relay contacts are shown in the OPEN position. Conditions: 1-wet, 5-dry, 7-dry ON Energized Energized ON 1. FOGRod Contacts 1,5,7 are all dry/not submerged 2. LIT-100 front panel slide switch 'Level Relays' in the N/O position OFF 1-dry, 5-dry, 7-dry Not Energized Not Energized OFF (Only Pump Off, Lead Pump ON, Lag Pump ON connections shown for clarity. All other LIT-100 connections are not shown.)

TN09 - Technical Note