



The diagram illustrates the electrical wiring for a wellhead heater system, divided into two main sections by a horizontal line representing the **RACEWAY**.

Top Section (Wellhead Components):

- CORD ASSEMBLY:** Provides power to the system.
- HEATING ELEMENT TYP. QTY:1:** A U-shaped element connected to the system.
- THERMOSTAT TYP. QTY:1:** A circular component connected to the heating element.
- TERMINAL BLOCK TYP. QTY:2:** A block with multiple terminals for wiring connections.

Bottom Section (Control Box and Wellhead Components):

- RACEWAY CONTROL BOX:** The central hub for the wiring.
- WELL 1:** The wellhead assembly, including:
 - THERMOSTATIC CONTROL TYP. QTY:1:** A rectangular control unit with terminals labeled 1, 2, and 4.
 - PILOT LIGHT TYP. QTY:1:** A light bulb connected to the system.
 - FEMALE/MALE TERMINAL CONNECTION:** A connector used for the pilot light wiring.

Wiring Details:

- Orange Wires:** Connect the CORD ASSEMBLY to the HEATING ELEMENT and the THERMOSTATIC CONTROL.
- Green Wires:** Connect the CORD ASSEMBLY to the THERMOSTAT and the THERMOSTATIC CONTROL.
- Red Wires:** Connect the CORD ASSEMBLY to the TERMINAL BLOCK and the THERMOSTATIC CONTROL.
- Power Source:** A separate power source is connected to the THERMOSTATIC CONTROL and the PILOT LIGHT.