

ABSTRACT

TUBING HANGER ALIGNMENT DEVICE

Systems and methods for landing a tubing hanger in a wellhead and then orienting a tubular housing (*e.g.*, tree, spool, or flowline connection body) relative to the tubing hanger while landing the tubular housing on the wellhead are provided. The systems may include a tubing hanger alignment device, wherein the tubing hanger alignment device includes one or more hydraulic, electric, or fiber optic lines extending therethrough and one or more couplings disposed on a lower end thereof. The tubing hanger alignment device is configured to couple one or more hydraulic, electric, or fiber optic lines on the tubular housing with one or more hydraulic, electric, or fiber optic couplings on the tubing hanger during landing of the tubular housing onto the wellhead regardless of a relative orientation of the tubing hanger and the tubular housing with respect to the wellhead.

FIGURE 1