[0019] A bridge racker crane also mounted in the upper part of the derrick removes tubular stands from the auxiliary tubular racking station and transports them to either the top drive, or to another tubular racking station in the derrick. Using the auxiliary tubular racking station, the offline stand building operation is advantageously uninterrupted when the bridge racker crane is unavailable due to its need to participate in the simultaneously occurring drilling operations.

[0019a] In accordance with a first aspect of the present invention, there is provided a system for drilling. The system comprises a drilling deck having a well center; a drilling structure disposed with said drilling deck; a primary tubular advancing station for advancing a first tubular from a substantially horizontal position to a substantially vertical position above said well center; a stand arm disposed with said drilling structure for connecting a second tubular with a third tubular while the second tubular is in a substantially vertical position, wherein said stand arm is configured to operate while said primary tubular advancing station is advancing the first tubular to said well center and independently of said primary tubular advancing station; a first tubular racking station elevated above said drilling deck and adjacent to said stand arm for holding the second tubular from said stand arm; and a bridge racker crane configured to move the second tubular between said first tubular racking station and said well center, wherein said stand arm is configured to directly position the second tubular with said first tubular racking station.

[0019b] In accordance with a second aspect of the present invention, there is provided a system for drilling. The system comprises a drilling deck having a well center; a primary tubular advancing station configured for advancing a first tubular onto said drilling deck from a substantially horizontal position to a substantially vertical position above said well

center; a stand arm disposed with said drilling deck and configured for handling a second tubular; and a guided path horizontal to vertical arm positioned adjacent to said stand arm and configured to guide the second tubular onto said drilling deck from a substantially horizontal position to a substantially vertical position adjacent to said stand arm, wherein said guided path arm is configured to guide the second tubular onto said drilling deck during advancing of the first tubular onto said drilling deck to said well center and said guided path arm is configured to operate independently of said primary tubular advancing station.

[0019c] In accordance with a third aspect of the present invention, there is provided a system for drilling. The system comprises a drilling deck; a primary tubular advancing station having a well center and configured for advancing a first tubular onto said drilling deck and to said well center; an auxiliary tubular handling station configured for moving a second tubular onto said drilling deck; and a first tubular racking station above said auxiliary tubular handling station configured for holding the second tubular, wherein the second tubular is moved onto said drilling deck and positioned in a substantially vertical position above said drilling deck while the first tubular is advanced onto said drilling deck and to said well center.

BRIEF DESCRIPTION OF THE DRAWINGS

[0020] A better understanding of the present invention can be obtained with the following detailed descriptions of the various disclosed embodiments in the drawings:

[0021] **FIG. 1** is an elevational view of the present invention on an exemplary embodiment of a drilling rig.

[0022] **FIG. 2** is a section plan view taken along line 2-2 of FIG. 1 showing the catwalk, the primary tubular advancing station, the primary tubular handling station, and the auxiliary tubular handling station.

[0023] **FIG. 2A** is a plan view showing the stand arm, the preparation hole, and the auxiliary tubular racking station in alternative locations relative to each other as compared with FIG. 2 and the other drawings.