SUMMARY

[0009] In one aspect, a method of joining tubular length of oil country tubular casing or piping involves the steps of: utilizing a first tubular member having an associated pin member with a first thread structure and a first helical torque shoulder spaced axially along the pin member from the first thread structure; utilizing a second tubular member having an associated box member with a second thread structure and a second helical torque shoulder spaced axially along the box member from the second thread structure; engaging the pin member and box member with each other into a stab position that is defined by interaction of the first thread structure and the second thread structure, in the stab position the first helical torque shoulder does not contact or axially overlap with the second helical torque shoulder; rotating at least one of the first tubular member or the second tubular member such that interaction between the first thread structure and the second thread structure guides the first helical torque shoulder into cooperating alignment with the second helical torque shoulder.; and

[0009a] The method may further include continuing rotation of at least one of the first tubular member or the second tubular member until the first helical torque shoulder fully engages with the second helical torque shoulder.

[0010] In another aspect, a tubular connection includes a pin member and a box member. The pin member has a first thread structure and a helical torque shoulder spaced axially along the pin member from the first thread structure.. The box member has a second thread structure and a second helical torque shoulder spaced axially along the box member from the second thread structure. The first thread structure and the second thread structure are sized and located to control a stab position of the tubular connection, and in the stab position the first helical torque shoulder does not engage or axially overlap with the second helical torque shoulder.

[0010a] In a further aspect, there is provided a tubular connection, comprising: a pin member having: a first tapered constant pitch thread having a root, a crest, a stab flank and a load flank; a first helical torque shoulder surface spaced axially along the pin member from the first tapered constant pitch thread, the first helical torque shoulder surface is non-tapered; a box member having: a second tapered constant pitch thread having a root, a crest, a stab flank and a load flank; a second helical torque shoulder surface spaced axially along the box member from the second tapered constant pitch thread, the second helical torque shoulder surface is non-tapered; the pin member and the box member configured such that in the stab position the first helical torque shoulder surface does not engage or overlap with the second helical torque shoulder surface.

[0011] In one example, the first thread structure and the second thread structure may be respective tapered constant pitch threads and the first and second helical torque shoulder may be formed by respective non-tapered structures.

[0012] The details of one or more embodiments are set forth in the accompanying drawings and the description below. Other features, objects, and advantages will be apparent from the description and drawings, and from the claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0013] Fig. 1 is a schematic profile of a thread form;