

Title (en)
OFFSHORE WELL PRODUCTION RISER

Title (de)
OFFSHOREPRODUKTIONSRISE

Title (fr)
TUBE ASCENSEUR DE Puits DE PRODUCTION DE PETROLE MARIN

Publication
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Application
EP 03784891 A 20030805

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- US 62604403 A 20030724

Abstract (en)
[origin: WO2004015237A2] An offshore oil well riser system that compensates for the motions of an associated floating platform comprises a vertical pipe section supported by the floating vessel and extending downward from the vessel substantially perpendicular to the sea floor, and a horizontal pipe section connected to the associated sub-sea well equipment and extending away from the equipment substantially parallel to the sea floor. A angled elbow pipe connects the horizontal pipe to the vertical pipe. At least one of the horizontal and the vertical pipes incorporates a flexing portion comprising a plurality of recurvate sections of pipe connected end-to-end with alternating curvatures. In one embodiment, the central axis of the flexing portion lies in a single plane and takes a sinusoid path. In another embodiment, the central axis of the flexing portion takes a three dimensional helical path.

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