EFFICIENT OPEN WATER RISER DEPLOYMENT

ABSTRACT OF THE DISCLOSURE

A riser 10 for use in subsea operations that is parked subsea and deployed as needed onto wellheads 38 disposed proximate where the riser 10 is parked. A base 12 anchored into the seafloor 14 provides a pedestal for parking the riser 10. The riser 10 emits a beacon signal 32 so it can be located when needed. When parked, the riser 10 can be kept in a vertical orientation by a buoyancy module 28 mounted on an upper portion of the riser 10. A workboat 44, or other vessel, attaches to the parked riser 10 and positions it onto a designated wellhead 38. An extension 48 connects the riser 10 to a platform 52 or other vessel above the sea surface 46.

Figure 1