

عنوان مقاله:

Flow Assurance in Pipeline-Riser System Using OLGA Software

محل انتشار:

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خلاصه مقاله:

In this study, the flow assurance of production liquid rate is analyzed, using OLGA software for Pipeline-Riser of an offshore platform. By applying different methods such as installing a gas lift valve at the Pipe-Riser or set a choke valve at the top side of the Riser, on the pipeline connected to the separator at the platform. The model in OLGA is designed to be ۷.۵ km long, a ۲۰۰ m Riser, and ۷۰ m a pipe connected to the separator. Using PVTSIM software, calculate the fluid properties and export a PVTSIM-file of the fluid for OLGA software. The results have shown that using a gas lift valve at ۷ or ۱۴ kg/s mass flow rate got the best total liquid volume rate in comparison to other methods. The increment in total liquid rate by using this method is ۱۱۰۰ m^۳/day.

کلمات کلیدی:

.Flow assurance, Pipeline, Riser, Offshore Pipeline, OLGA software

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