

A Study on recovery process for Offshore Floating liquid natural gas Plants

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A natural gas and liquid recovery sequence is proposed for top-side offshore floating liquefied natural gas processing. This proposed process has a simple, compact structure and is suitable for power-efficient, offshore, floating liquefied natural gas fractionation. The natural gas liquid recovery process employs space- and energy-efficient dividing wall columns for the integration of depropanization and debutanization. The columns were optimized by response surface methodology. The results show that a compact top dividing wall column configuration could reduce total annual costs.

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