

Challenges of Subsea Oil and Gas

Production System

Second Edition

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J. Koto

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Preface



This book consists of eleven chapters which introduce the subsea production system. Chapter 1 provides an overview of drilling of a subsea well in chapter 2, Blowout preventer in chapter 3, subsea field development in chapter 4, subsea distribution system in chapter 5, subsea wellhead in chapter 6, subsea tree in chapter 7, subsea jumper in chapter 8, subsea pipeline end structures in chapter 9, manifold in chapter 10, subsea umbilical system in chapter 11 and challenges of deep water subsea production system in the last chapter.

This book was designed for engineering education purposes only. Many pictures and illustrations are enclosed to assist the readers' understanding. It should be noted that some pictures and contents are borrowed from companies' websites and brochures, without written permit, even though the exact sources are listed in the references.

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Alhamdulillahirobbilalamin, first and foremost, all praises and syukur are only to Allah (S.W.T) to give us strength and ability to complete this book.

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List of Abbreviations

Abbreviation	Description
SPS	Subsea Production System
bbbl	Barrel
FPSO	Floating Production Storage Offloading

List of Symbols

Symbol	Descriptions
A	Added mass

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Autobiographies



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