

Preface

Petroleum verticals are divested as Reservoirs, Drilling, Subsea and Surface Production etc, whereas Oil & Gas horizontals deprived as Pipelines, Refineries, Tank Farms, Distribution Piping Networks, Petrochemical Plants etc. One simplest way is to explain that **Petroleum** activities are not seen by naked eye which happens in the Subsoil and Underwater, whereas **Oil & Gas** activities are pretty visible which happens above water and on the land. This book explains the Offshore Crude Separation for Oil & Gas Development Platforms and FPSO's and covers the scientific theory of upstream, midstream and downstream processes of Oil & Gas which are technically paraphrased as, extracting Crude Oil in the Ocean, transporting through Subsea Pipelines to Onshore Terminals and storing in Tank Farms, Refining and Retailing to Customers.

I felt it is important to explore the Oil & Gas applications and bring it forward to end users like graduating students, academicians, industry professionals in a method of self-training Problem Based Approach. With a strong understanding of this Book, I am sure the readers will escalate one's problem solving skills and able to innovate their own scientific applications in Oil & Gas industry.

You will also benefit from the CDROM link below for your exercise to call upon user defined parameters.

Link: https://archive.org/details/cdrom_202502

Ravi S. Gonella

Sinopec Corporation

Eastern Province, Saudi Arabia